

SHARP 14A-20MT SERVICE MANUAL

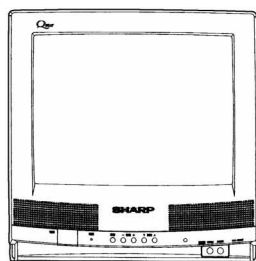


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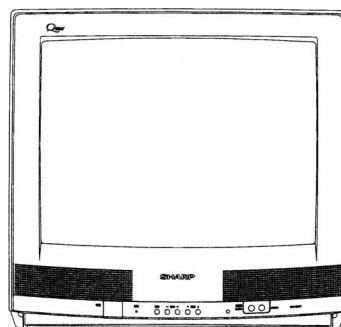
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SHARP SERVICE MANUAL

SY9T314A-20MT



14A-20MT



20A-20MT

COLOR TELEVISION

Chassis No. SN-80B

14A-20MT 20A-20MT MODELS

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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ELECTRICAL SPECIFICATIONS

POWER INPUT	110 V AC 60 Hz
POWER RATING	
14A-20MT	59 W
20A-20MT	71 W
PICTURE SIZE	
14A-20MT	580 cm ² (89.9 sq inch)
20A-20MT	1,194 cm ² (185 sq inch)
CONVERGENCE	Magnetic
SWEEP DEFLECTION	Magnetic
FOCUS	Hi-Bi-Potential Electrostatic
INTERMEDIATE FREQUENCIES	
Picture IF Carrier Frequency	45.75 MHz
Sound IF Carrier Frequency	41.25 MHz
Color Sub-Carrier Frequency	42.17 MHz
	(Nominal)

AUDIO POWER OUTPUT RATING	3.0 W (at 10% distortion)
SPEAKER	
SIZE	9 x 5 cm
VOICE COIL IMPEDANCE	16 ohm at 400 Hz
ANTENNA INPUT IMPEDANCE	
VHF/UHF	75 ohm Unbalanced
TUNING RANGES	
VHF-Channels	2 thru 13
UHF-Channels	14 thru 69
CATV Channels	1 thru 125

Specifications are subject to change without prior notice.

IMPORTANT SERVICE SAFETY PRECAUTION

■ Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.
3. Semiconductor heat sinks are potential shock hazards when the chassis is operating.
4. The chassis in this receiver has two ground systems which are separated by insulating material. The non-isolated (hot) ground system is for the B+ voltage regulator circuit and the horizontal output circuit. The isolated ground system is for the low B+ DC voltages and the secondary circuit of the high voltage transformer.
To prevent electrical shock use an isolation transformer between the line cord and power receptacle, when servicing this chassis.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove the static charge by connecting a 10k ohm resistor in series with an insulated wire (such as a test probe) between the picture tube ground and the anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage anode completely.

X-RADIATION AND HIGH VOLTAGE LIMITS

1. Be sure all service personnel are aware of the procedures and instructions covering X-radiation. The only potential source of X-ray in current solid state TV receivers is the picture tube. However, the picture tube does not emit measurable X-Ray radiation, if the high voltage is as specified in the "High Voltage Check" instructions.
It is only when high voltage is excessive that X-radiation is capable of penetrating the shell of the picture tube including the lead in the glass material. The important precaution is to keep the high voltage below the maximum level specified.
2. It is essential that servicemen have available at all times an accurate high voltage meter.
The calibration of this meter should be checked periodically.
3. High voltage should always be kept at the rated value —no higher. Operation at higher voltages may cause a failure of the picture tube or high voltage circuitry and;also, under certain conditions, may produce radiation in exceeding of desirable levels.
4. When the high voltage regulator is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be tested while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly.
5. Do not use a picture tube other than that specified or make unrecommended circuit modifications to the high voltage circuitry.
6. When trouble shooting and taking test measurements on a receiver with excessive high voltage, avoid being unnecessarily close to the receiver.
Do not operate the receiver longer than is necessary to locate the cause of excessive voltage.

IMPORTANT SERVICE SAFETY PRECAUTION

(Continued)

BEFORE RETURNING THE RECEIVER

(Fire & Shock Hazard)

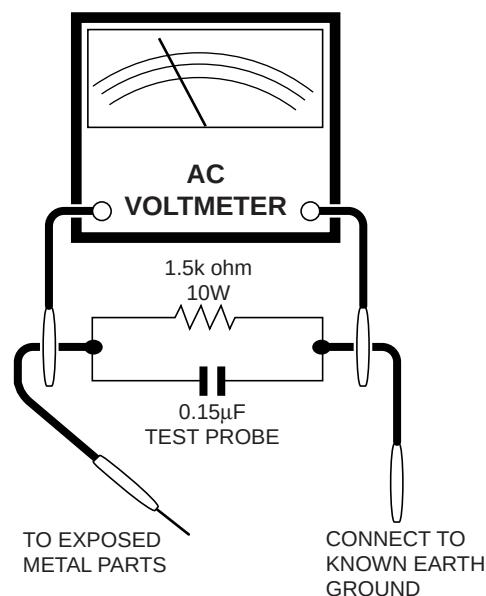
Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 110 volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon and etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC ine cord plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these check.)

Any current measured must not exceed 0.5 milliamp. Any measurements not within the limits outlined above indicate of a potential shock hazard and corrective action must be taken before returning the instrument to the customer.



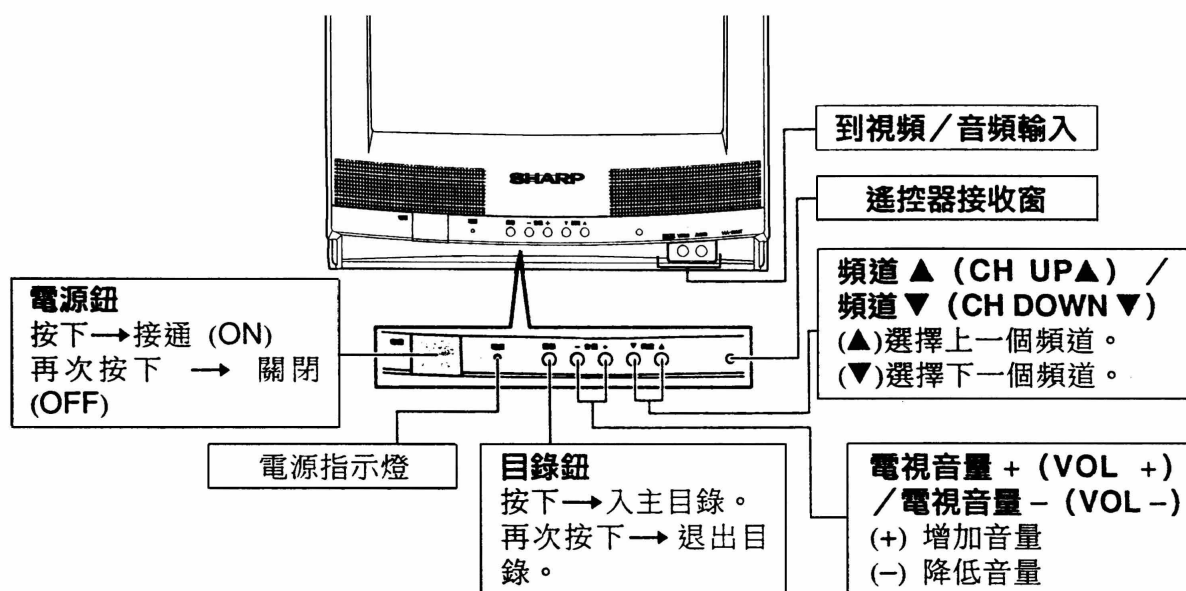
SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage and etc. Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " $\triangle$ " and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

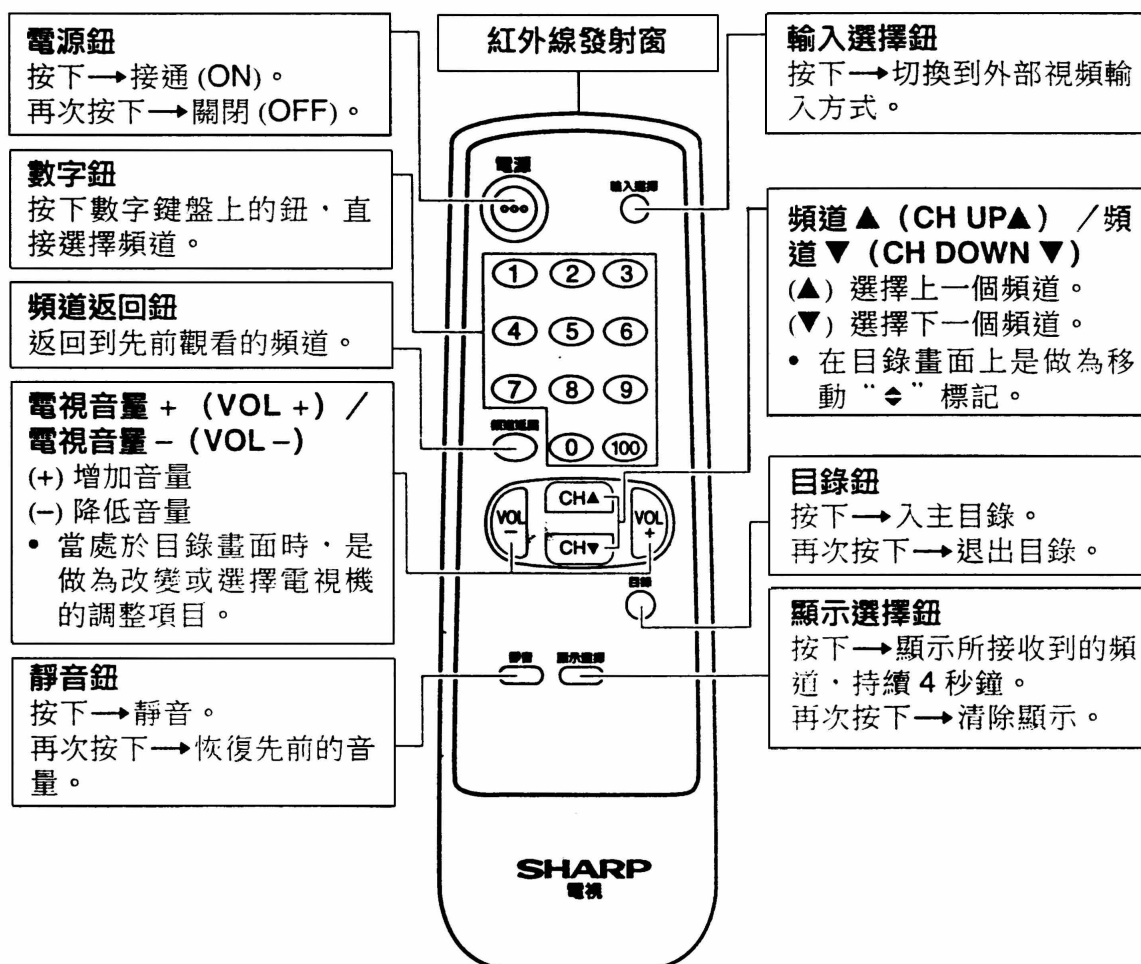
For continued protection, replacement parts must be identical to those used in the original circuit. The use of substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire, X-radiation or other hazards.

LOCATION OF USER'S CONTROL (14A-20MT)

前端控制板



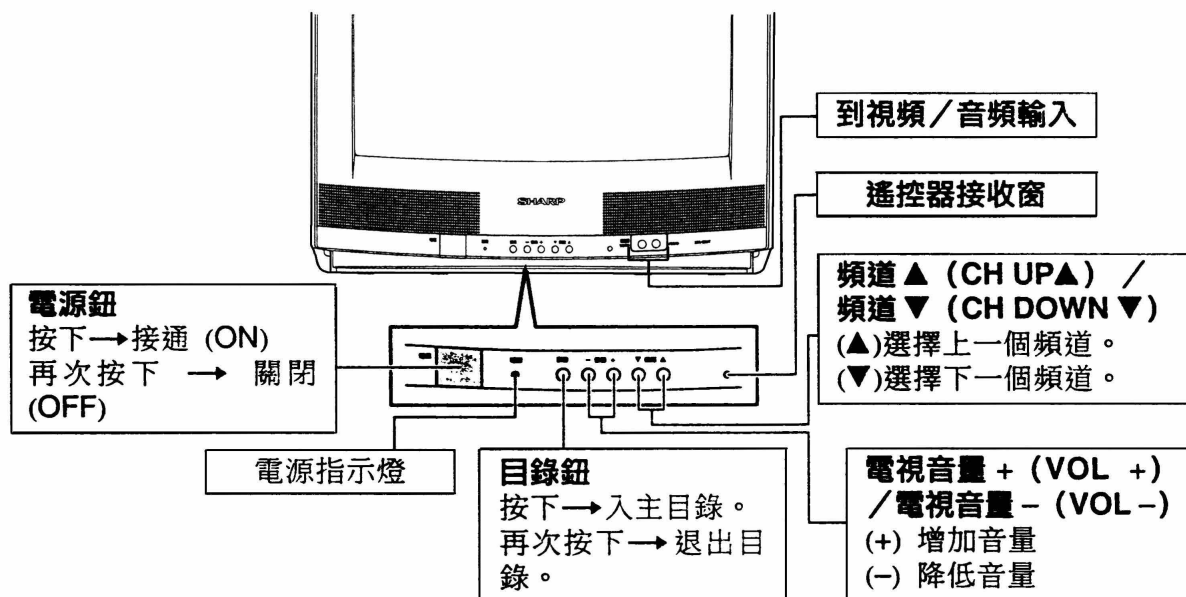
基本遙控器功能



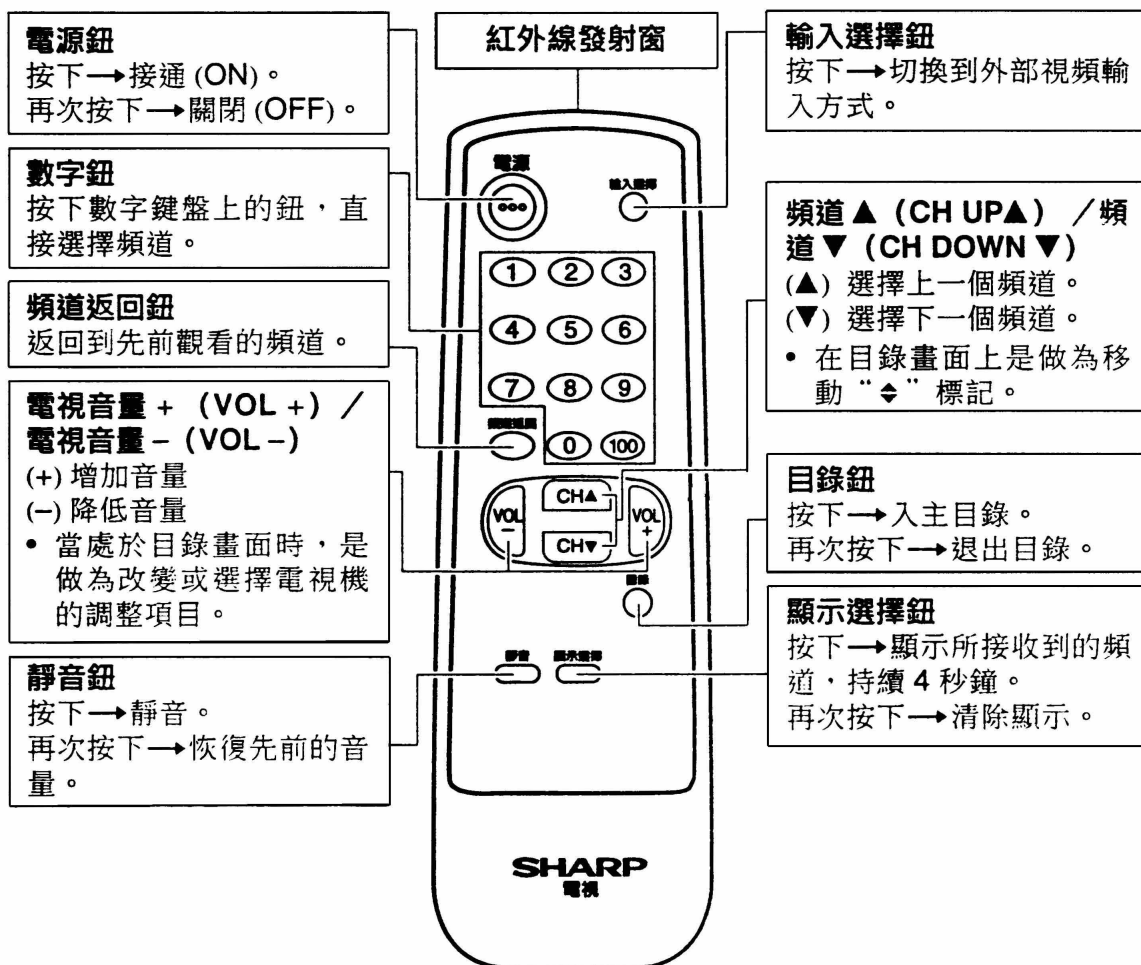
LOCATION OF USER'S CONTROL (Continued)

(20A-20MT)

前端控制板



基本遙控器功能



INSTALLATION AND SERVICE INSTRUCTIONS

- Note:** (1) When performing any adjustments to resistor controls and transformers use non-metallic screwdrivers or TV alignment tools.
(2) Before performing adjustments, the TV set must be on at least 15 minutes.

CIRCUIT PROTECTION

The receiver is protected by a 4.0A fuse (F701), mounted on PWB-A, wired into one side of the AC line input.

X-RADIATION PROTECTOR CIRCUIT TEST

After service has been performed on the horizontal deflection system, high voltage system, B+ system, test the X-Radiation protection circuit to ascertain proper operation as follows:

1. Apply 110V AC using a variac transformer for accurate input voltage.
2. Allow for warm up and adjust all customer controls for normal picture and sound.
3. Receive a good local channel.
4. Connect a digital voltmeter to TP653 and make sure that the voltmeter reads $20.6 \pm 1.5V$.
5. Apply external 26.8V DC at TP653 by using an external DC supply, TV must be shut off.
6. To reset the protector, unplug the AC cord and make a short circuit between TP651 and TP652. Now make sure that normal picture appears on the screen.
7. If the operation of the horizontal oscillator does not stop in step 5, the circuit must be repaired before the set is returned to the customer.

HIGH VOLTAGE CHECK

High voltage is not adjustable but must be checked to verify that the receiver is operating within safe and efficient design limitations as specified checks should be as follows:

1. Connect an accurate high voltage meter between ground and anode of picture tube.
2. Operate receiver for at least 15 minutes at 110V AC line voltage, with a strong air signal or a properly tuned in test signal.
3. Enter the service mode and select the service adjustment "S19" and Bus data "01" (Y-mute on).
4. The voltage should be approximately, 27.0kV (at zero beam).

If a correct reading cannot be obtained, check circuitry for malfunctioning components. After the voltage test, make Y-mute off to the normal mode.

For adjustments of this model, the bus data is converted to various analog signals by the D/A converter circuit.

Note: There are still a few analog adjustments in this series such as focus and master screen voltage. Follow the steps below whenever the service adjustment is required. See "Table-B" to determine, if service adjustments are required.

1. Service mode

Before putting unit into the service mode, check that customer adjustments are in the normal mode. Use the reset function in the video adjustment menu to ensure customer controls are in their proper (reset) position.

2. Service number selection

Once in the service mode, press the Ch-up or Ch-down button on the remote controller or at the set. The service adjustment number will vary in increments of one, from "S01" to "OP". Select the item you wish to adjust.

3. Data number selection

Press the Vol-up or down button to adjust the data number.

To enter the service mode and exit service mode.

While pressing the Vol-up and Ch-up buttons at the sametime, plug the AC cord into a wall socket. Now the TV set is switched on and enters the service mode.

To exit the service mode, turn the television off by pressing the power button.

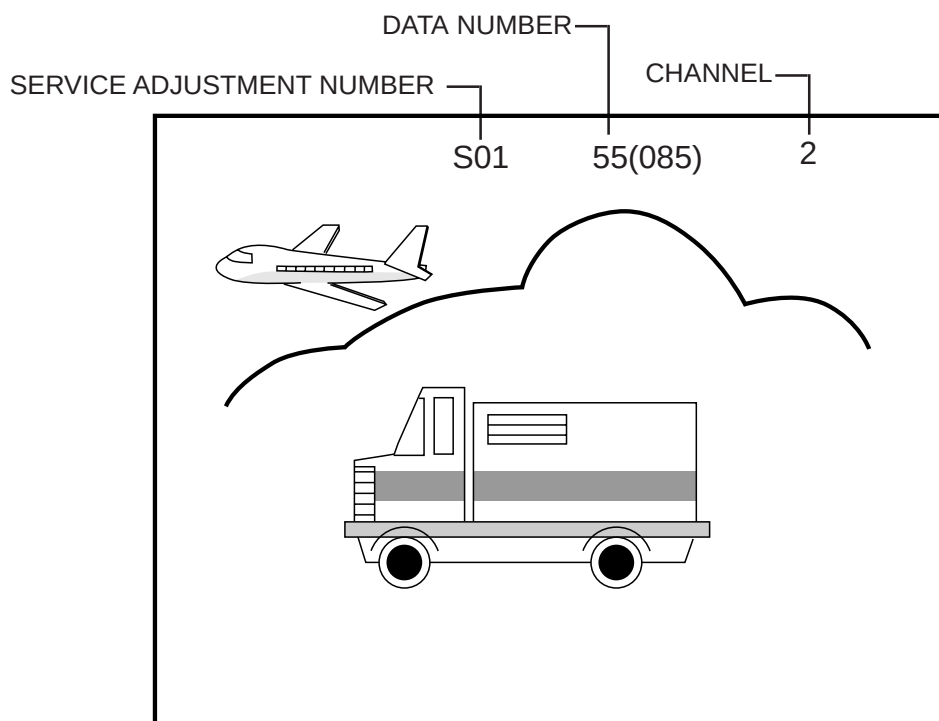


Figure A.

SERVICE NUMBER	ADJUSTMENT ITEM	DATA		ADJUSTMENT CONTENTS
		INITIAL VALUE	RANGE	
S01	PICTURE	55	00-7F	Must be set to "24" Must be set to "00" ~ "03"
S02	TINT	46	00-7F	
S03	COLOR	32	00-7F	
S04	BRIGHTNESS	40	00-7F	
S05	SHARPNESS	28	00-3F	
S06	VERTICAL PHASE	00	00-07	
S07	HORIZONTAL PHASE	12	00-1F	
S08	RF-AGC	23	00-3F	
S09	VERTICAL AMP	20	00-3F	
S10	VCO	2C	00-7F	
S11	R CUT-OFF	00	00-FF	Must be set to "00" Must be set to "20" "00" = Normal, "01" = No-Y, "03" = No Vertical
S12	G CUT -OFF	00	00-FF	
S13	B CUT-OFF	00	00-FF	
S14	G GAIN	7F	00-FF	
S15	B GAIN	7F	00-FF	
S16	TRAP(3.58MHz)	00	00 or 01	
S17	BALANCE	20	00-3F	
S19	Y-MUTE	00	00,01,03	
S20	ENERGY SAVE OFFSET	20	00-3F	
S21	D.D.E. OFFSET	03	00-1F	
S22	LUNGUAGE SELECT	00	00-01	
S23	LANGUAGE MENU	01	00-01	
S24	TUNER OPTION	00	00-01	
OP	OPTION	30	00-FF	

Table - A

Holding down both the CH-up/down buttons on the TV set at service mode for more than 2 seconds will automatically write the above initial values into IC2101.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
IC2001		X	Data is stored in IC2101.
IC201	X		The adjustment is needed to compensate for characteristics of parts including IC201.
IC2101	X		Holding down both the CH-up/down buttons on the TV set in the service mode for more than 2 seconds will automatically write the above initial values into IC2101.
CRT	X		Adjust items related to picture tube only.

Table - B

■ SERVICE ADJUSTMENT

VCO Adjustment

1. Connect a digital voltmeter between pin (44) of IC201 and ground.
2. Receive a good local channel.
3. Enter the service mode and select the service adjustment "S10".
4. Adjust the data so that digital voltmeter reads 2.2V.
5. Adjustment is completed, remove the voltmeter, return to "normal" mode.

RF AGC Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S08".
3. Set the data value to point where no noise or beat appears.
4. Select another channel to confirm that no noise or beat appears.

Note 1 : You will have to come out of the service mode to select another channel.

Note 2 : Setting the data to "00" will produce a black raster.

Screen Adjustment

1. Connect a digital voltmeter between TP852 and TP853 on the CRT Unit.
Note: These test points may not be provided.
Then connect the voltmeter to both ends of R852 located near Q852 on the foil side.
2. Receive a good local channel.
3. Enter the service mode and select the service adjustment "S03" and set the data value to "00" to set the color level to minimum. (Record original data code under adjustment "S03" before changing) You may skip this step, if you selected a B/W picture or monoscope pattern.
4. Select the service adjustment "S19" and adjust the data value to "01", this turn off the luminance signal (Y-mute).
5. Select the service adjustment "S04" and adjust data value to obtain 0.17 volts on the digital voltmeter.
6. Adjust the master screen control until the raster darkens to the point where raster is barely seen.
7. Adjust the service adjustments "S11" red, "S12" green and "S13" blue to obtain a good grey scale with normal whites at low brightness level.
8. Select the service adjustment "S19" and reset data to "00". Select the service adjustment "S03" and reset data to obtain normal color level.
9. Remove digital voltmeter, and reset the master screen control to obtain normal brightness range.

White Balance Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S03" and set to "00" (minimum color)(Record original data code under adjustment "S03" before changing). "S03" does not have to be adjusted, if you selected a B/W picture or monoscope pattern.
3. Alternately adjust the service adjustment data of "S14" and "S15" until a good grey scale with normal whites is obtained.
4. Select the service adjustment "S03" and adjust data to obtain normal color level.

Sub-Picture Adjustment

1. Receive a good local channel.
2. Make sure the customer picture control is set to maximum.
3. Enter the service mode and select the service adjustment "S01".
4. Adjust the data value to achieve normal contrast range.

Sub-Tint Adjustment

1. Receive a good local channel.
2. Set customer tint control to center of it's range.
3. Enter the service mode and select the service adjustment "S02".
4. Adjust "S02" data value to obtain normal flesh tones.

Sub-Color Adjustment

1. Receive a good local channel.
2. Make sure the customer color control is set to center position .
3. Enter the service mode and select the service adjustment "S03".
4. Adjust "S03" data value to obtain normal color level.

Sub-Brightness Adjustment

1. Receive a good local channel.
2. Make sure the customer brightness control is set to center position.
3. Enter the service mode and select the service adjustment "S04".
4. Adjust "S04" data value to obtain normal brightness level.

Vertical-Size Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S09".
3. While observing the top and bottom of the screen, adjust "S09" data value to proper vertical size.

Vertical Phase Adjustment

1. Enter the service mode and select the service adjustment "S06".
2. Adjust data value to "00" ~ "03".
Note: This must be set "00" ~ "03" when changed data retrace line will appear.

Horizontal Position Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S07".
3. Adjust "S07" data value so that picture is centered.

3.58MHz Trap Adjustment

1. Receive a good local channel.
2. Enter the service mode and select the service adjustment "S16".
3. This is a two position adjustment, "00" is ON, "01" is OFF.
4. Adjust data value to "00" for normal viewing.

Sharpness, Audio Balance, Energy Save Offset, DDE Offset, Language Select, Language Menu, Tuner Option and Option Adjustments

1. Receive a good local channel.
2. Enter the service mode and select the service adjustments "S05" for sharpness, "S17" for balance, "S20" for energy save offset, "S21" for DDE offset, "S22" for language select setup, "S23" for language menu, "S24" for tuner option and "OP" for option.

● Sharpness Adjustment

3. Adjust data value to "24" (center of data range) for sharpness adjustment.

● Audio Balance Adjustment

4. Adjust data value to "20" (center of data range) for Audio balance adjustment.

● Energy Save Offset Adjustment

5. Adjust data value to "19".

● DDE Offset Adjustment

6. Adjust data value to "03".

● Language Select

7. Adjust data value to "01".

● Language Menu

8. Adjust data value to "01".

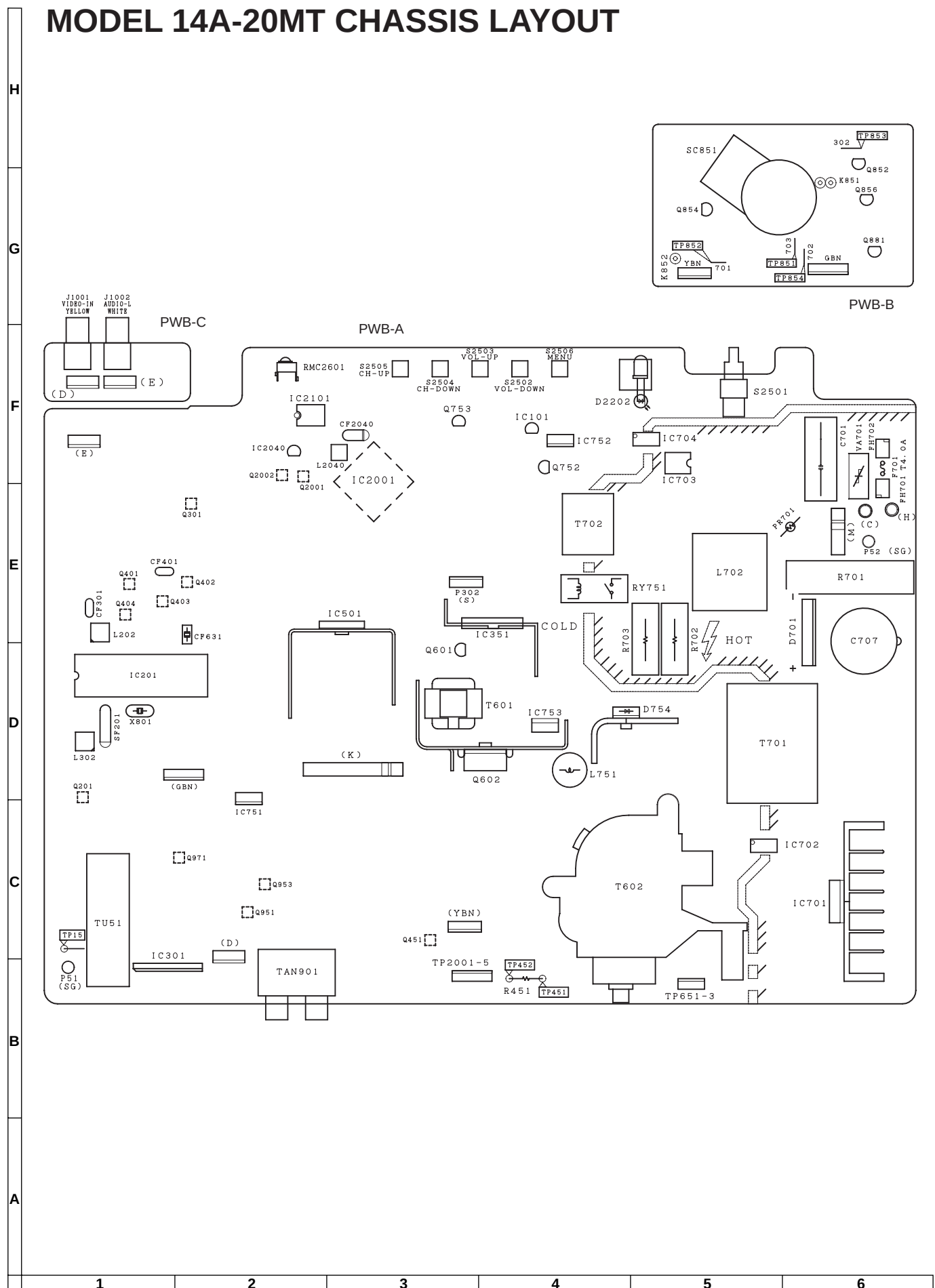
● Tuner Option Adjustment

9. Adjust data value to "00".

● Option Adjustment

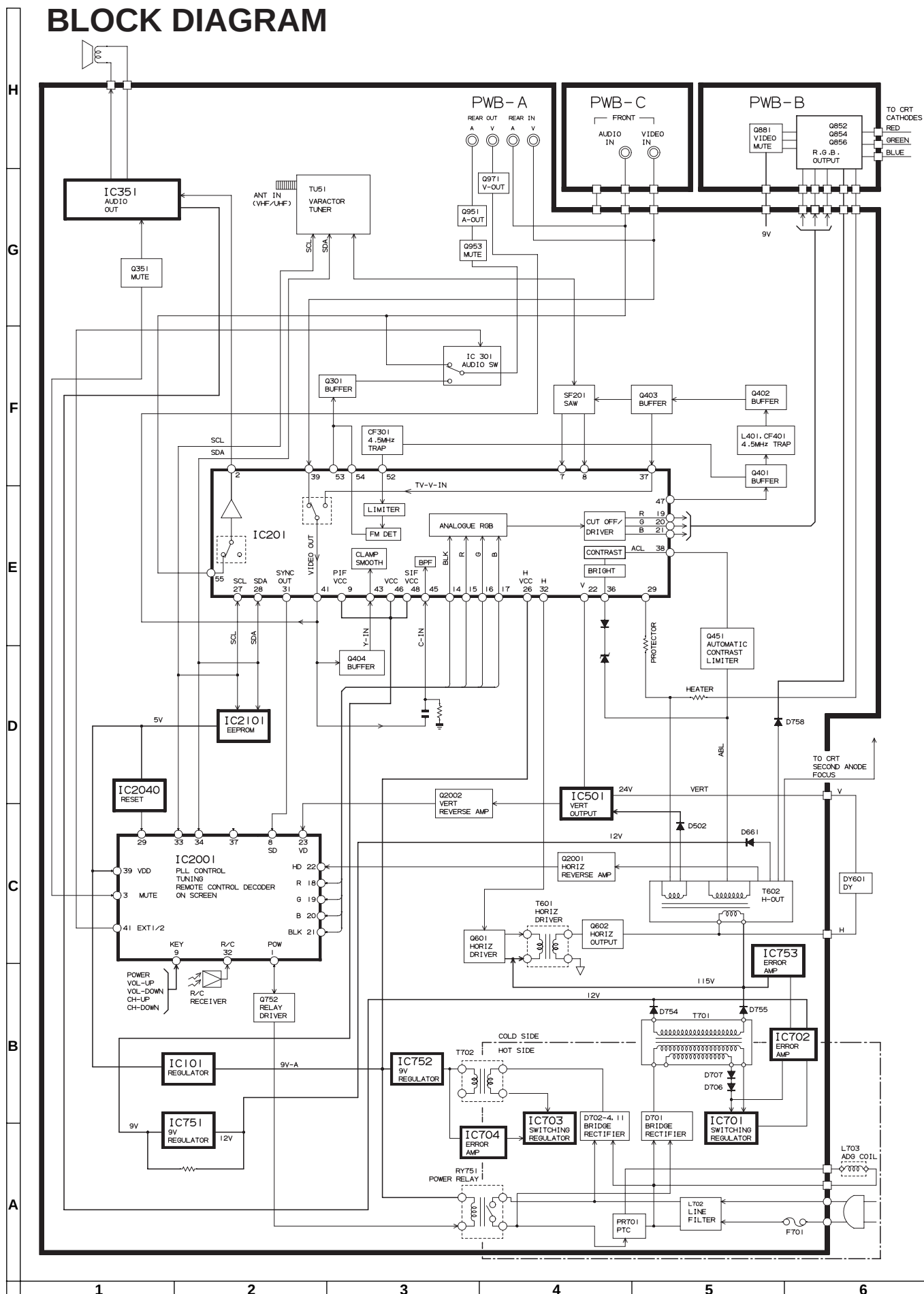
10. Adjust data value to "02".

MODEL 14A-20MT CHASSIS LAYOUT





BLOCK DIAGRAM



DESCRIPTION OF SCHEMATIC DIAGRAM

NOTES:

1. The unit of resistance "ohm" is omitted.
($K=k\Omega=1000\Omega$, $M=M\Omega$)
2. All resistors are 1/16 watt, unless otherwise noted.
3. All capacitors are μF , unless otherwise noted.
($P=pF=\mu\mu F$)
4. (G) indicates $\pm 2\%$ tolerance may be used.
5. $\perp$ indicates line isolated ground.
6. ∇ indicates hot ground.

VOLTAGE MEASUREMENT CONDITIONS:

1. All DC voltages are measured with DVM connected between points indicated and chassis ground, line voltage set at 110V AC and all controls set for normal picture unless otherwise indicated.
2. All voltages measured with 1000 μ V B & W or Color signal.

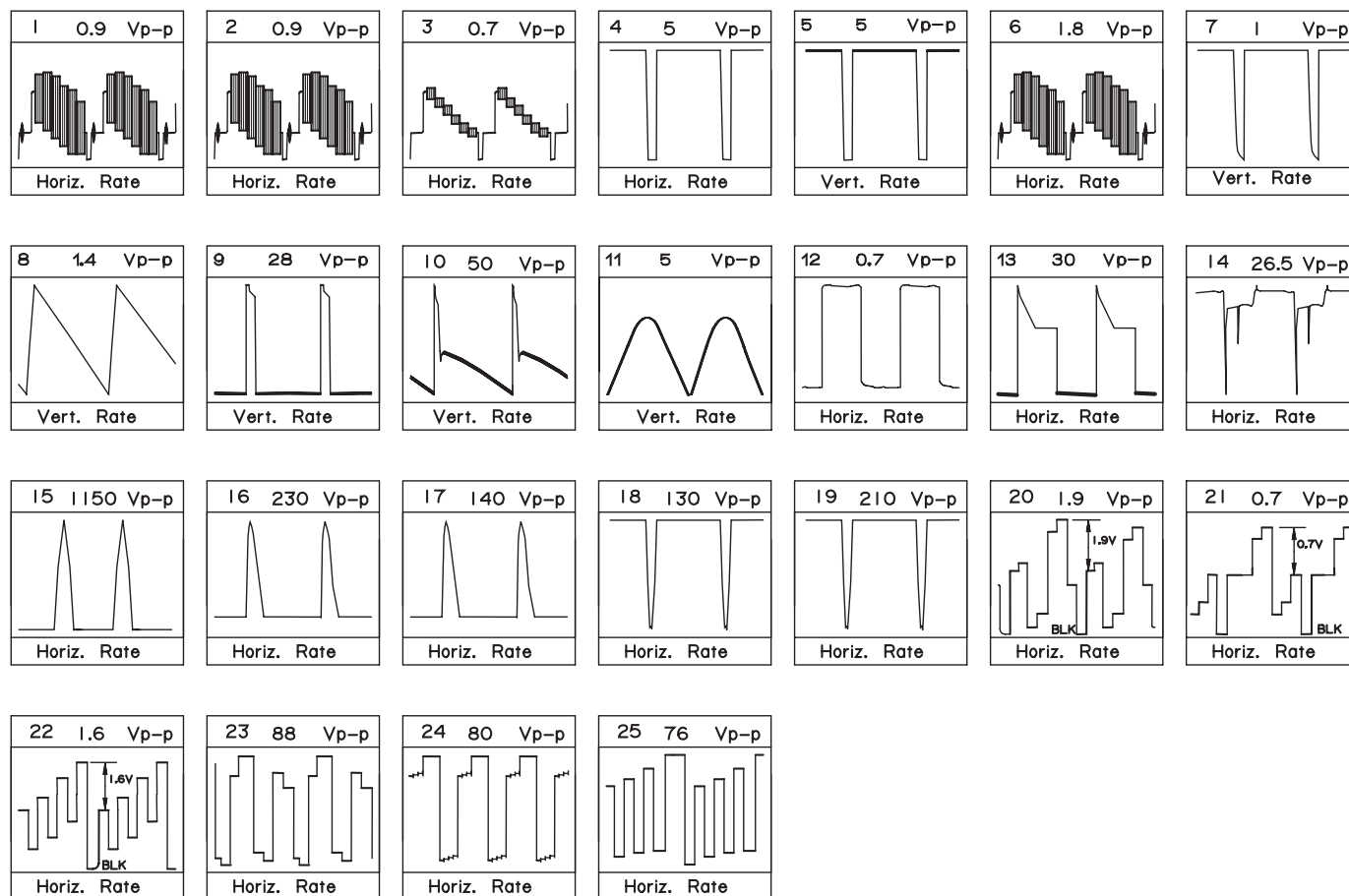
WAVEFORM MEASUREMENT CONDITIONS:

1. Photographs taken on a standard gated color bar signal, the tint setting adjusted for proper color. The wave shapes at the red, green and blue cathodes of the picture tube depend on the tint, color level and picture control.
2. $\bullet$ indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

$\triangle$ AND SHADED () COMPONENTS
= SAFETY RELATED PARTS.
 $\blacktriangle$ MARK= X-RAY RELATED PARTS.

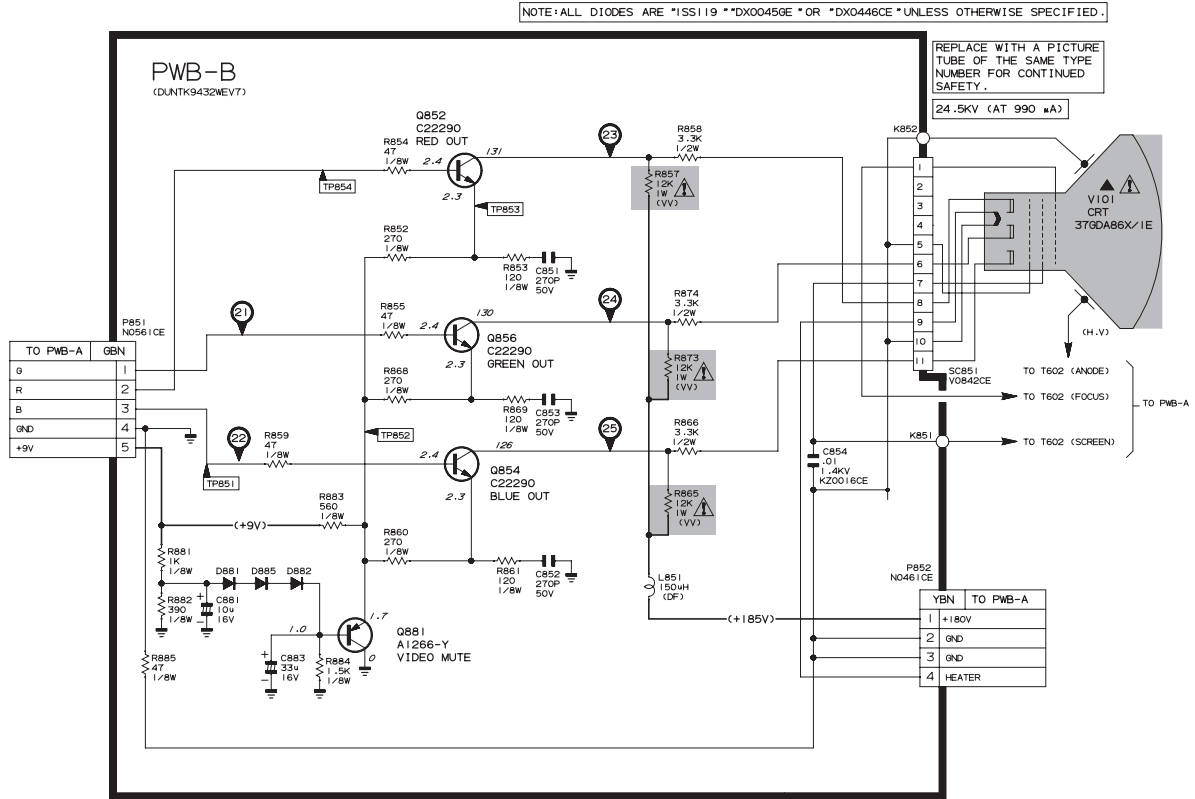
This circuit diagram is a standard one, printed circuits may be subject to change for product improvement without prior notice.

WAVEFORMS

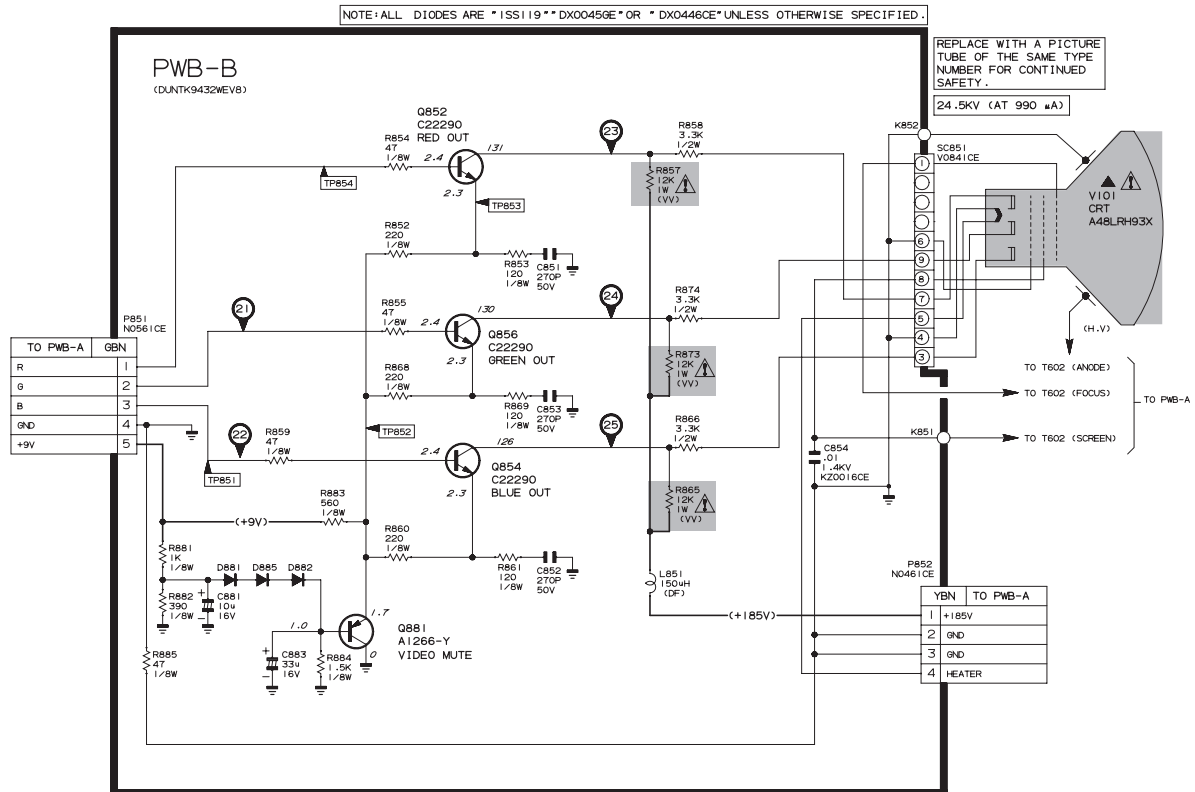


SCHEMATIC DIAGRAM: CRT UNIT

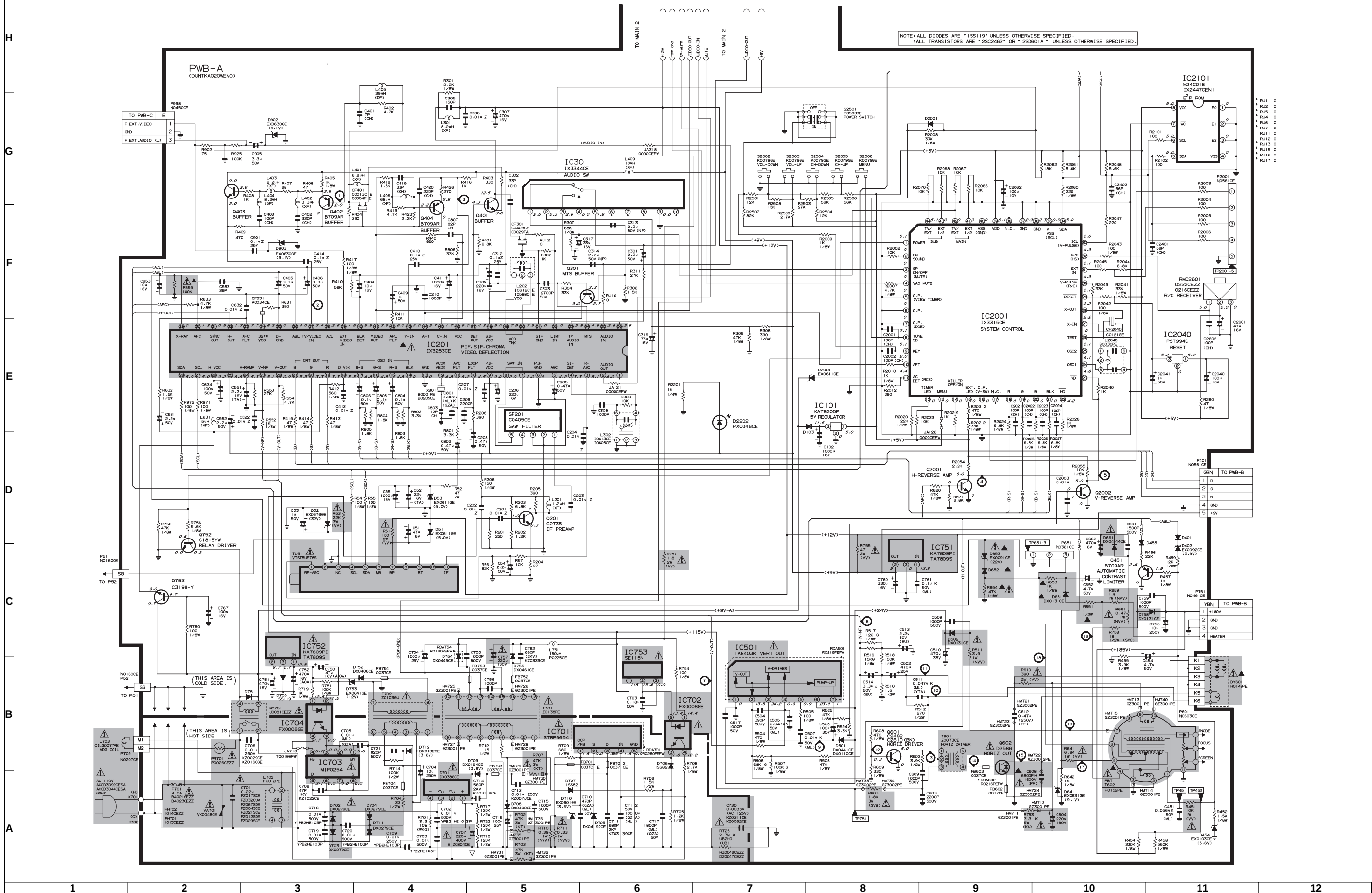
14A-20MT



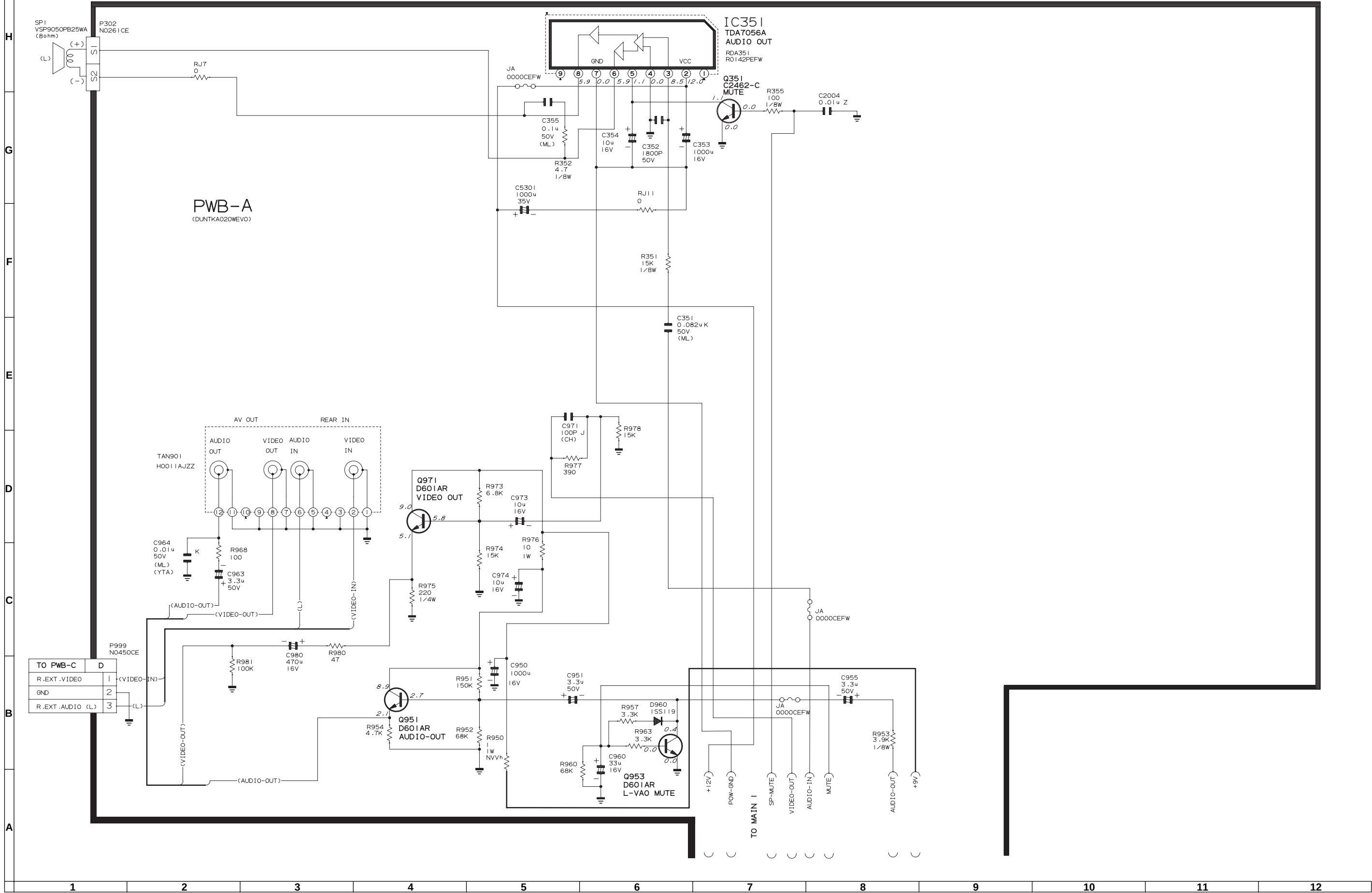
20A-20MT



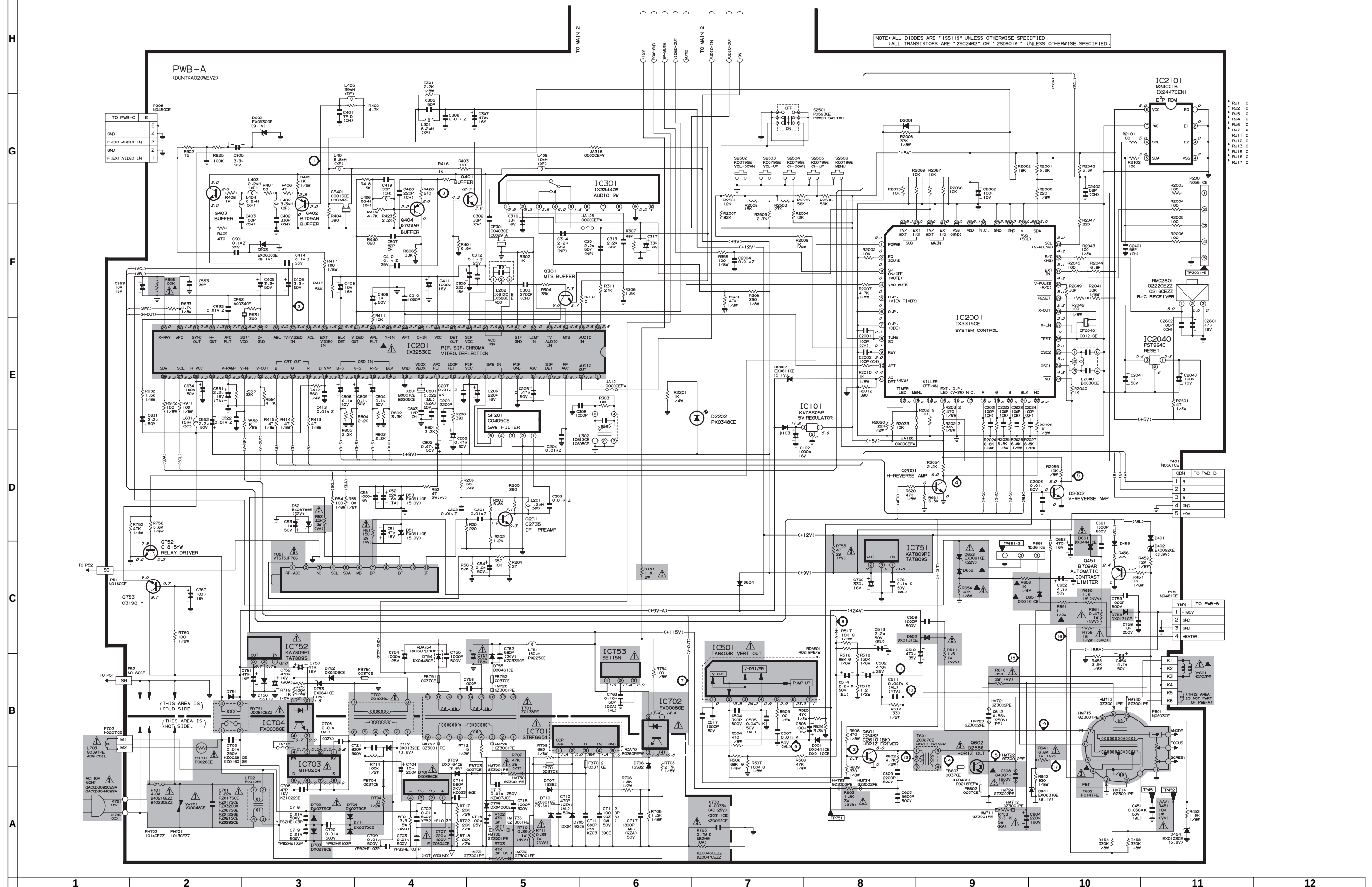
MODEL 14A-20MT SCHEMATIC DIAGRAM: MAIN-1 Unit



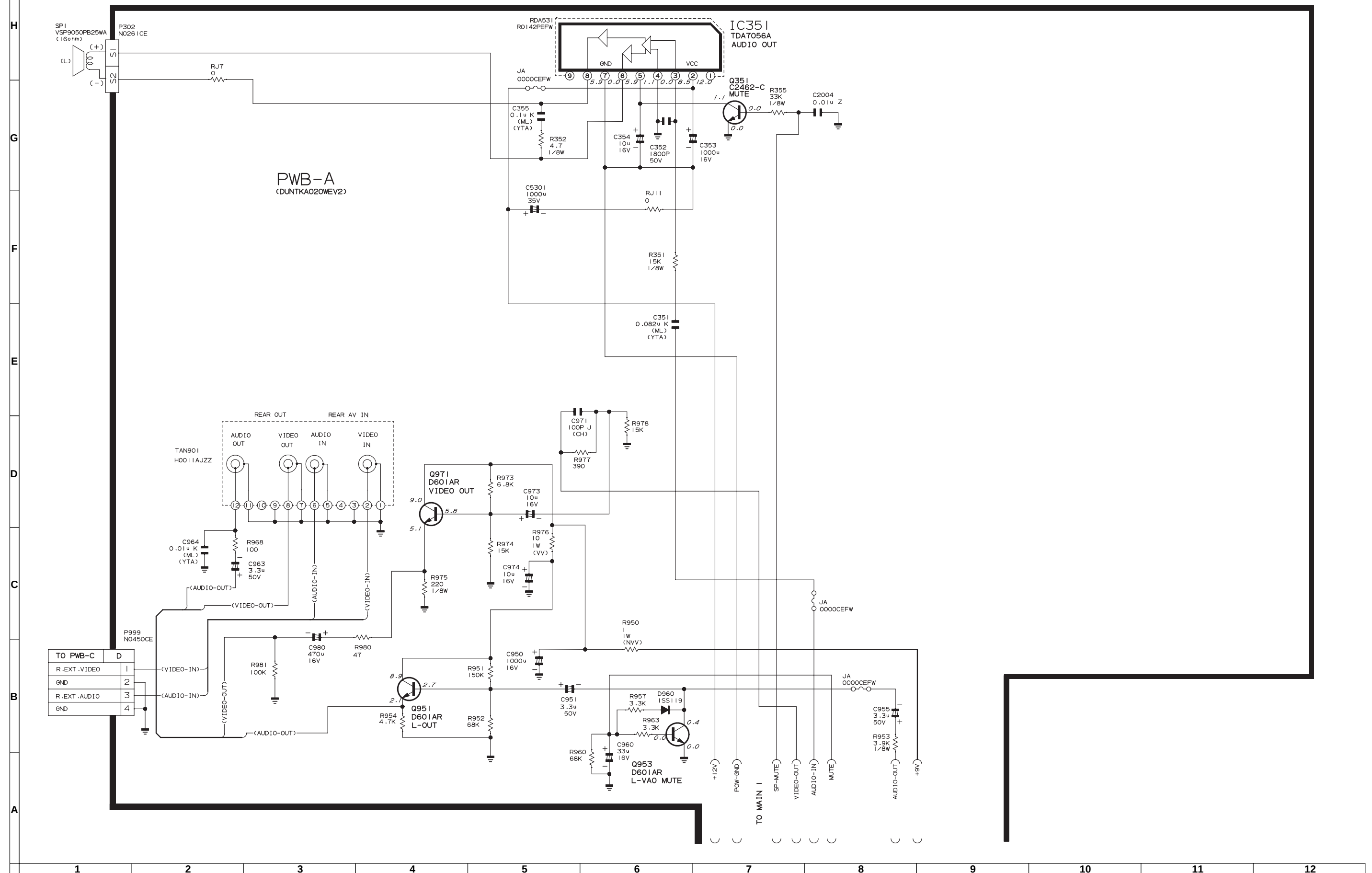
MODEL 14A-20MT SCHEMATIC DIAGRAM: MAIN-2 Unit



MODEL 20A-20MT SCHEMATIC DIAGRAM: MAIN-1 Unit



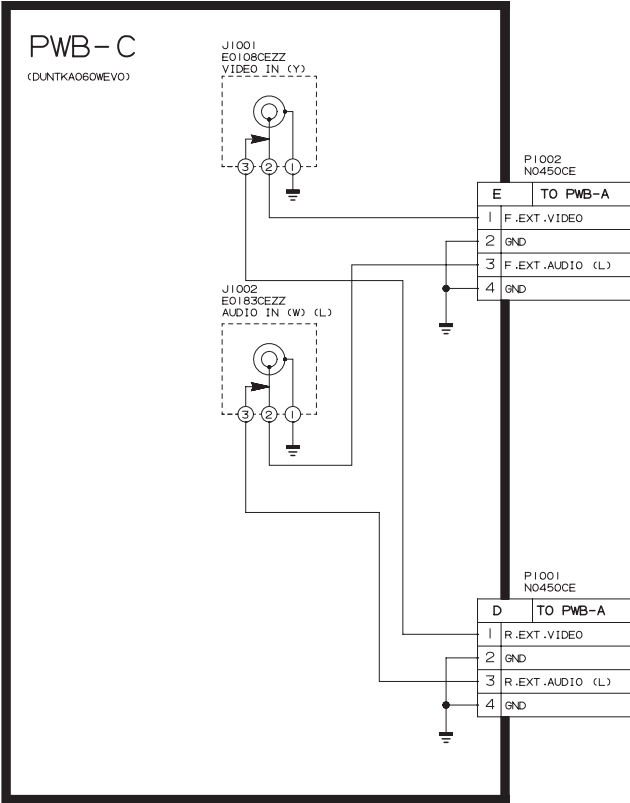
MODEL 20A-20MT SCHEMATIC DIAGRAM: MAIN-2 Unit



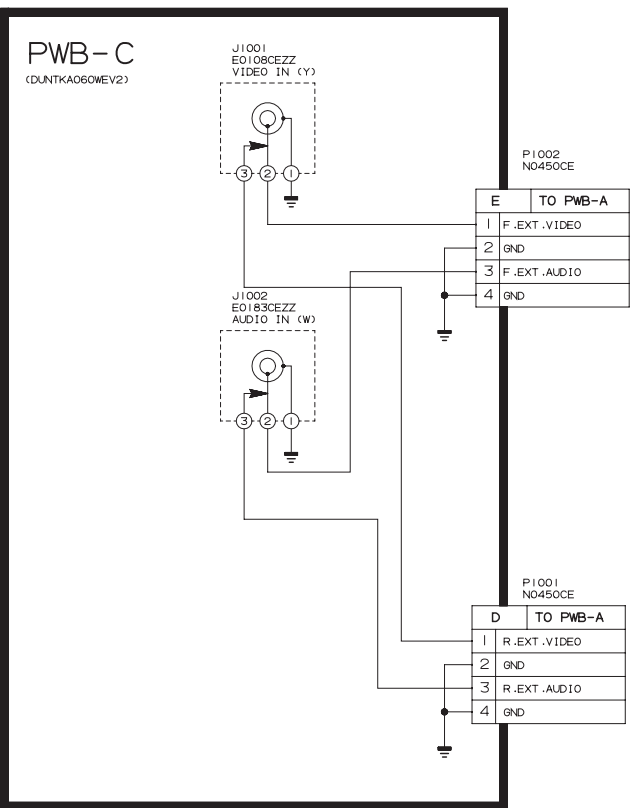
H
G
F
E
D
C
B
A

SCHEMATIC DIAGRAM: FRONT AV Unit

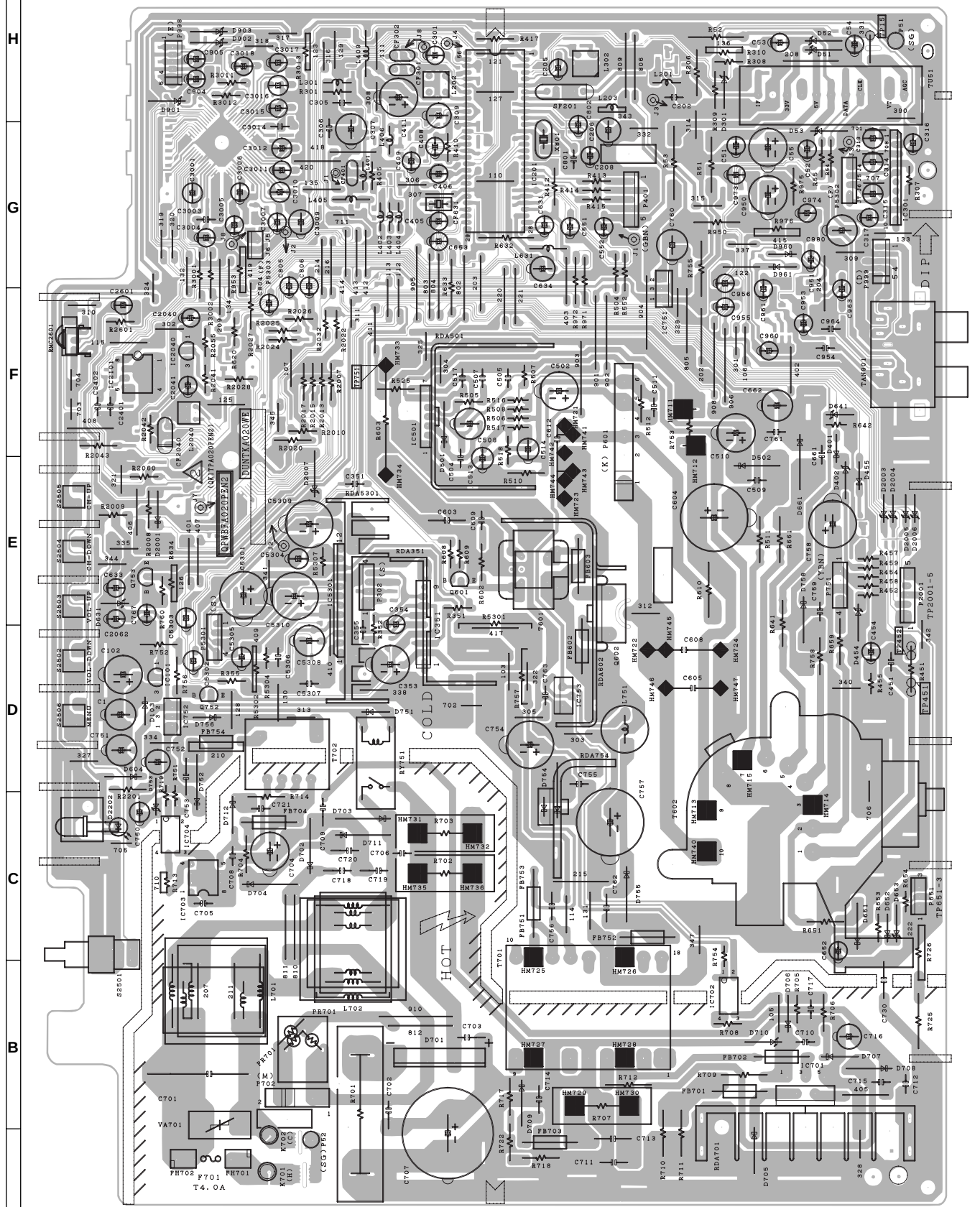
■ 14A-20MT



■ 20A-20MT



PRINTED WIRING BOARD ASSEMBLIES



PWB-A: MAIN Unit (Wiring Side)

1	2	3	4	5	6
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PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by Δ and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

★ MARK : SPARE PARTS-DELIVERY SECTION

▲ MARK : X- RAY RELATED PARTS

Ref. No.	Part No.	★	Description	Code
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PICTURE TUBE

14A-20MT

▲▲ V101	VB37GDA86X/1E	J	CRT	CB
▲ L703	RCILG0077PEZZ	R	Degaussing Coil	AK
▲▲ DY601	RCILH0149PEZZ	R	Deflection Yoke	BA
	QEARC1433PEZZ	R	Grounding Strap	AF
	PMAGF3041CEZZ	J	Magnet	AG
	MSPRT0001PEFJ	R	Spring for CRT	AC

20A-20MT

▲▲ V101	VB48LRH93X/*S	J	CRT	CC
▲ L703	RCILG0397PEZZ	R	Degaussing Coil	AQ
▲▲ DY601	RCILH0202PEZZ	R	Deflection Yoke	BA
	QEARC2016PEZZ	R	Grounding Strap	AG
	PMAGF3006CEZZ	J	Magnet	AK
	MSPRT0001PEFJ	R	Spring for CRT	AC

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

14A-20MT

PWB-A	DUNTKA020WEV0	—	MAIN Unit	—
PWB-B	DUNT9432WEV7	—	CRT Unit	—
PWB-C	DUNT94060WEV0	—	FRONT AV Unit	—

20A-20MT

PWB-A	DUNT94020WEV2	—	MAIN Unit	—
PWB-B	DUNT9432WEV8	—	CRT Unit	—
PWB-C	DUNT94060WEV2	—	FRONT AV Unit	—

Ref. No.	Part No.	★	Description	Code
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PWB-A: DUNT94020WEV0/V2 MAIN UNIT

TUNER

NOTE : THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

▲ TU51	VTUVTST5UF78S	J	Tuner	BD
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INTEGRATED CIRCUITS

	IC101	VHiKA78S05P-1	J	KA78S05P	AD
▲▲	IC201	RH-IX3253CEZZ	J	TA1268AN	AV
	IC301	RH-IX3344CEZZ	J	I.C.	AK
	IC351	VHiTDA7056A-1	J	TDA7056A	AP
▲	IC501	VHiTA8403K/-1	J	TA8403K	AL
▲	IC701	VHiSTRF6654-1	J	STRF6654	AX
	IC702	RH-FX0008GEZZ	J	PC123FY8	AE
▲	IC703	VHiMiP0254/-1	J	MIP0254	AL
▲	IC704	RH-FX0008GEZZ	J	PC123FY8	AE
▲	IC751	VHiKA7809Pi-1	R	KA7809PI	AE
		or			
		VHiTA7809S/-1			
▲	IC752	VHiKA7809Pi-1	R	KA7809PI	AE
		or			
		VHiTA7809S/-1			
▲	IC753	VHiSE115N/-1	J	SE115N	AF
	IC2001	RH-IX3315CEZZ	J	TMP87CK38F	AU
	IC2040	VHiPST994C/-1	J	PST994C	AD
	IC2101	VHiM24C01B/-1	J	M24C01B	AF
		or			
		RH-IX2447CEN1			

TRANSISTORS

You can substitute "VS2SC2462-C-1" for "VS2SD601AR/-1".

	Q201	VS2SC2735//1E	J	2SC2735	AC
	Q301	VS2SD601AR/-1	J	2SD601AR	AC
	Q351	VS2SC2462-C-1	J	2SC2462(C)	AB
	Q401	VS2SD601AR/-1	J	2SD601AR	AC
	Q402	VS2SB709AR/-1	J	2SB709AR	AC
	Q403	VS2SD601AR/-1	J	2SD601AR	AC
	Q404	VS2SB709AR/-1	J	2SB709AR	AC
	Q451	VS2SB709AR/-1	J	2SB709AR	AC
	Q601	VS2SC2482//1	J	2SC2482	AD
		or			
		VS2SC2610//1			
▲	Q602	VS2SD2586//1E	J	2SD2586	AM
	Q752	VS2SC1815YW-1	J	2SC1815YW	AC
	Q753	VS2SC3198-Y-1	J	2SC3198(Y)	AA
	Q951	VS2SD601AR/-1	J	2SD601AR	AC
	Q953	VS2SD601AR/-1	J	2SD601AR	AC
	Q971	VS2SD601AR/-1	J	2SD601AR	AC
	Q2001	VS2SD601AR/-1	J	2SD601AR	AC
	Q2002	VS2SD601AR/-1	J	2SD601AR	AC

DIODES

	D51	RH-EX0611GEZZ	J	Zener Diode, 5.0V	AA
	D52	RH-EX0676GEZZ	J	Zener Diode, 32V	AA
	D53	RH-EX0611GEZZ	J	Zener Diode, 5.0V	AA
	D103	VHD1SS119//1	J	Diode	AB
	D401	VHD1SS119//1	J	Diode	AB
	D402	RH-EX0092CEZZ	J	Zener Diode, 3.9V	AB
	D454	RH-EX0103CEZZ	J	Zener Diode, 5.6V	AB
	D455	VHD1SS119//1	J	Diode	AB
	D501	RH-DX0441CEZZ	J	Diode	AC
		or			
		RH-DX0110CEZZ			
▲	D502	RH-DX0131CEZZ	J	Diode	AC
	D641	RH-EX0631GEZZ	J	Zener Diode, 9.1V	AA
▲▲	D651	RH-DX0131CEZZ	J	Diode	AC
▲▲	D652	VHD1SS119//1	J	Diode	AB
▲▲	D653	RH-EX0091CEZZ	J	Zener Diode, 22V	AB
▲	D661	RH-DX0444CEZZ	J	Diode	AH
▲	D701	RH-DX0386CEZZ	J	Diode	AG
▲	D702	RH-DX0279CEZZ	J	Diode	AB
▲	D703	RH-DX0279CEZZ	J	Diode	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA020WEv0/V2									
MAIN UNIT (Continued)									
△ D704	RH-DX0279CEZZ	J	Diode	AB	C52	VCSATA1CE226K	J 22	16V Tantalum	AD
D705	RH-DX0492CEZZ	J	Diode	AE	C53	VCEA0A1HW105M	J 1.0	50V EL.	AB
D706	VHD1SS82///1A	J	Diode	AC	C54	VCEA0A1HW225M	J 2.2	50V EL.	AB
D707	VHD1SS82///1A	J	Diode	AC	C55	VCEA0A1CW108M	J 1000	16V EL.	AD
D708	RH-DX0400CEZZ	J	Diode	AC	C102	VCEAGA1CW108MJ	1000	16V EL.	AD
D709	RH-DX0164CEZZ	J	Diode	AC	C201	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
D710	RH-EX0601GEZZ	J	Zener Diode, 3.6V	AA	C202	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA
△ D711	RH-DX0279CEZZ	J	Diode	AB	C203	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
D712	RH-DX0132CEZZ	J	Diode	AC	C204	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
D751	VHD1SS119//1	J	Diode	AB	C205	VCEA0A1HW474M	J 0.47	50V EL.	AB
D752	RH-DX0406CEZZ	J	Diode	AD	C206	VCEA0A1CW227M	J 220	16V EL.	AC
D753	RH-EX0641GEZZ	J	Zener Diode, 12V	AA	C207	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
D754	RH-DX0445CEZZ	J	Diode	AL	C208	VCEA0A1HW474M	J 0.47	50V EL.	AB
D755	RH-DX0461CEZZ	J	Diode	AG	C209	VCKYCY1HB222K	J 2200p	50V Ceramic	AA
D756	VHD1SS119//1	J	Diode	AB	C210	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
△ D758	RH-DX0131CEZZ	J	Diode	AC	C301	VCEA0A1HW225M	J 2.2	50V EL.	AB
D902	RH-EX0630GEZZ	J	Zener Diode, 9V	AA	C302	VCCCCY1HH330J	J 33p	50V Ceramic	AA
D903	RH-EX0630GEZZ	J	Zener Diode, 9V	AA	C303	VCKYCY1HB272K	J 2700p	50V Ceramic	AA
D960	VHD1SS119//1	J	Diode	AB	C305	VCKYPA1HB151K	J 150p	50V Ceramic	AA
D2001	VHD1SS119//1	J	Diode	AB	C306	VCKYPA1HF103Z	J 0.01	50V Ceramic	AA
D2007	RH-EX0611GEZZ	J	Zener Diode, 5.1V	AA	C307	VCEA0A1CW477M	J 470	16V EL.	AC
D2202	RH-PX0348CEZZ	J	Photodiode	AB	C308	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
△ VA701	RH-VX0048CEZZ	J	Varistor	AE	C309	VCEA0A1CW227M	J 220	16V EL.	AC
PACKGED CIRCUITS					C312	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
△ PR701	RMPTP0026CEZZ	J	Packaged Circuit	AF	C313	VCE9GA1HW225M	J 2.2	50V EL.(N.P)	AB
X801	RCRSB0001PEZZ	R	Crystal	AL	C314	VCE9GA1HW225M	J 2.2	50V EL.(N.P)	AB
	or				C316	VCEA0A1CW336M	J 33	16V EL.	AB
	RCRSB0205CEZZ				C317	VCEA0A1CW336M	J 33	16V EL.	AB
FILTERS AND COILS					C351	VCQYTA1HM823K	J 0.082	50V Mylar	AB
CF301	RFILC0403CEZZ	J	Ceramic Filter	AE	C352	VCKYCY1HB182K	J 1800p	50V Ceramic	AA
	or				C353	VCEA0A1CW108M	J 1000	16V EL.	AD
	RFILC0029TAZZ				C354	VCEA0A1CW106M	J 10	16V EL.	AB
CF401	RFILC0013CEZZ	J	Ceramic Filter	AE	C355	VCQYTA1HM104K	J 0.1	50V Mylar	AC
	or				C401	VCCCCY1HH7R0DJ	7.0p	50V Ceramic	AA
	RFILC0004PEZZ				C402	VCCCCY1HH331J	J 330p	50V Ceramic	AA
CF631	RFILA0034CEZZ	J	Ceramic Filter	AD	C403	VCCCCY1HH101J	J 100p	50V Ceramic	AA
CF2040	RFILC0121GEZZ	J	Ceramic Filter	AD	C405	VCEA0A1HW335M	J 3.3	50V EL.	AB
L201	VP-XF1R2K0000	J	Peaking 1.2μH	AB	C406	VCEA0A1HW335M	J 3.3	50V EL.	AB
L202	RCiLi0612CEZZ	J	VCO Coil	AE	C408	VCEA0A1CW106M	J 10	16V EL.	AB
	or				C409	VCEA0A1HW105M	J 1.0	50V EL.	AB
	RCiLi0588CEZZ				C410	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
L301	VP-XF8R2K0000	J	Peaking 8.2μH	AB	C411	VCEAGA1CW108MJ	1000	16V EL.	AD
L302	RCiLi0613CEZZ	J	IF Coil	AE	C413	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
	or				C414	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
	RCiLi0605CEZZ				C419	VCCCCY1HH330J	J 33p	50V Ceramic	AA
L401	VP-XF6R8K0000	J	Peaking 6.8μH	AB	C420	VCCCCY1HH221J	J 220p	50V Ceramic	AA
L402	VP-XF3R3K0000	J	Peaking 3.3μH	AB	C451	VCQYTA1HM563K	J 0.056	50V Mylar	AB
L403	VP-XF2R2K0000	J	Peaking 2.2μH	AB	C454	VCEA0A1HW475M	J 4.7	50V EL.	AB
L404	VP-XF8R2K0000	J	Peaking 8.2μH	AB	C502	VCEA0A1EW477M	J 470	25V EL.	AD
L405	VP-DF390K0000	J	Peaking 39μH	AB	C504	VCKYPA2HB391K	J 390p	500V Ceramic	AA
L406	VP-XF680K0000	J	Peaking 68μH	AB	C505	VCQYTA1HM473K	J 0.047	50V Mylar	AB
L409	VP-XF100K0000	J	Peaking 10μH	AB	C507	VCQYTA1HM103K	J 0.01	50V Mylar	AB
L631	VP-XF150K0000	J	Peaking 15μH	AB	C508	VCEAGA1VW107MJ	100	35V EL.	AC
△ L702	RCiLF0012PEZZ	R	Coil	AN	C509	VCKYPA2HB102K	J 1000p	500V Ceramic	AA
L751	RCiLP0225CEZZ	J	Coil	AF	C510	VCEAGA1VW477MJ	470	35V EL.	AD
L2040	RCiLB0030PEZZ	R	Oscillation Coil	AF	C511	VCQYTA1HM473K	J 0.047	50V Mylar	AB
SF201	RFILC0405CEZZ	J	Ceramic Filter	AH	C513	VCEACA1HC225M	J 2.2	50V EL.	AC
TRANSFORMERS					C514	VCEACA1HC225M	J 2.2	50V EL.	AC
△ T601	RTRNZ0073CEZZ	J	H-Driver (14A-20MT)	AF				(20A-20MT)	
△ T601	RTRNZ0367CEZZ	J	H-Driver (20A-20MT)	AK	C514	VCEACA1HC335J	J 3.3	50V EL.	AC
▲△ T602	RTRNF0147PEZZ	R	F.B.T (20A-20MT)	BC				(14A-20MT)	
▲△ T602	RTRNF0152PEZZ	R	F.B.T (14A-20MT)	BA	C517	VCKYPA1HB102K	J 1000p	50V Ceramic	AA
△ T701	RTRNZ0138PEZZ	R	Transformer	AW	C522	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
△ T702	RTRNZ0103GJZZ	J	Transformer	AM	C551	VCSATA1CE225K	J 2.2	16V Tantalum	AB
CAPACITORS					C552	VCEA0A1HW225M	J 2.2	50V EL.	AB
	[EL... Electrolytic, M-Poly... Metalized Polypro Film]				C553	VCCCCY1HH390J	J 39p	50V Ceramic	AA
C51	VCEA0A1CW476M	J 47	16V EL.	AB	C603	VCKYPA2HB222K	J 2200p	500V Ceramic	AA
								(14A-20MT)	
					C603	VCKYPA2HB562K	J 5600p	500V Ceramic	AC
								(20A-20MT)	
					△ C604	VCEAGH2CW227MJ	220	160V EL.	AH
					▲△ C608	VCFPPD3CA682H	J 6800p	1.6kV M-Poly.	AE
								(14A-20MT)	
					▲△ C608	VCFPPD3CA842H	J 8400p	1.6kV M-Poly.	AE
								(20A-20MT)	

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA020WEv0/v2									
MAIN UNIT (Continued)									
C609	VCKYPA2HB102K	J	1000p 500V Ceramic	AA	C905	VCEA0A1HW335M	J	3.3 50V EL.	AB
			(14A-20MT)		C950	VCEAGA1CW108MJ	1000	16V EL.	AD
C609	VCKYPA2HB222K	J	2200p 500V Ceramic	AA	C951	VCEA0A1HW335M	J	3.3 50V EL.	AB
			(20A-20MT)		C955	VCEA0A1HW335M	J	3.3 50V EL.	AB
C612	VCFFPJ2EB474J	J	0.47 250V M-Poly.	AF				(14A-20MT)	
C631	VCEA0A1HW225M	J	2.2 50V EL.	AB	C960	VCEAGA1CW336MJ	33	16V EL.	AB
C632	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA	C963	VCEA0A1HW335M	J	3.3 50V EL.	AB
C634	VCEA0A1HW107M	J	100 50V EL.	AB	C964	VCQYTA1HM103K	J	0.01 50V Mylar	AB
C652	VCEA0A1HW475M	J	4.7 50V EL.	AB	C971	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C653	VCEA0A1CW106M	J	10 16V EL.	AB	C973	VCEA0A1CW106M	J	10 16V EL.	AB
C661	VCKYPA2HB152K	J	1500p 500V Ceramic	AA	C974	VCEAGA1CW106MJ	10	16V EL.	AA
C662	VCEA0A1CW477M	J	470 16V EL.	AC	C980	VCEA0A1CW477M	J	470 16V EL.	AC
C701	RC-FZ017SCEZZ	J	0.22 275V Mylar	AD	C2001	VCCCCY1HH101J	J	100p 50V Ceramic	AA
	or				C2002	VCCCCY1HH101J	J	100p 50V Ceramic	AA
	RC-FZ032CUMZZ				C2003	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
	or				C2004	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
	RC-FZ067SGEZZ				C2021	VCCCCY1HH101J	J	100p 50V Ceramic	AA
	or				C2022	VCCCCY1HH101J	J	100p 50V Ceramic	AA
	RC-FZ004SCEZZ				C2023	VCCCCY1HH101J	J	100p 50V Ceramic	AA
	or				C2024	VCCCCY1HH101J	J	100p 50V Ceramic	AA
	RC-FZ021SCEZZ				C2040	VCEA0A1AW107M	J	100 10V EL.	AB
	or				C2041	VCEA0A1HW105M	J	1.0 50V EL.	AB
	RC-FZ012SGEZZ				C2062	VCEA0A1AW107M	J	100 10V EL.	AB
	or				C2401	VCCCPA1HH560J	J	56p 50V Ceramic	AA
	RC-FZ029SCEZZ				C2402	VCCCPA1HH560J	J	56p 50V Ceramic	AA
C702	VCKYPB2HE103P	J	0.01 500V Ceramic	AB	C2601	VCEA0A1CW476M	J	47 16V EL.	AB
C703	VCKYPB2HE103P	J	0.01 500V Ceramic	AB	C2602	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C704	VCEAGA2EW106MJ	J	10 250V EL.	AC	C5301	VCEAGA1VW108MJ	1000	35V EL.	AD
C705	VCIFYHA1HA103J	J	0.01 50V Mylar	AA	RESISTORS				
C706	RC-KZ0029CEZZ	J	0.01 250V Ceramic	AC	<i>[M-Ox... Metal Oxide, M-Film... Metal Film]</i>				
	or				RJ1	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
	RC-KZ0160GEZZ				RJ2	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
△ C707	RC-EZ0804CEZZ	J	220 400V EL.	AU	RJ7	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C708	RC-KZ1022CEZZ	J	47p 1kV Ceramic	AC				(20A-20MT)	
C709	VCKYPB2HE103P	J	0.01 500V Ceramic	AB	RJ10	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C710	VCQYTA1HM471J	J	470p 50V Mylar	AD	RJ11	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C711	RC-KZ0339CEZZ	J	680p 2kV Ceramic	AD	RJ12	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C712	VCQYTA1HM102J	J	1000p 50V Mylar	AA	RJ14	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C713	RC-KZ007JCEZZ	J	0.01 250V Ceramic	AC	RJ17	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C714	RC-KZ0338CEZZ	J	560p 2kV Ceramic	AD				(20A-20MT)	
C715	VCKYPA2HB102K	J	1000p 500V Ceramic	AA	RJ18	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C716	VCEAGA1EW107MJ	J	100 25V EL.	AD				(14A-20MT)	
C717	VCQYTA1HM182J	J	1800p 50V Mylar	AA	RJ20	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C718	VCKYPB2HE103P	J	0.01 500V Ceramic	AB				(14A-20MT)	
C719	VCKYPB2HE103P	J	0.01 500V Ceramic	AB	RJ21	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C720	VCKYPB2HE103P	J	0.01 500V Ceramic	AB	RJ22	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C721	VCKYPA2HB821K	J	820p 500V Ceramic	AA	RJ23	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
△ C730	RC-KZ0311CEZZ	J	3300p 125V Ceramic	AD	RJ24	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
	or				RJ26	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
	RC-KZ0092CEZZ							(14A-20MT)	
C750	VCEA0A1CW476M	J	47 16V EL.	AB	RJ27	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C751	VCEA0A1CW477M	J	470 16V EL.	AC	RJ28	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C752	VCEA0A1CW477M	J	470 16V EL.	AC	RJ29	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C754	VCEAGA1EW108MJ	J	1000 25V EL.	AD	RJ30	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C755	VCKYPA2HB102K	J	1000p 500V Ceramic	AA				(20A-20MT)	
C756	VCKYD41HB102K	J	1000p 50V Ceramic	AA	RJ31	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
△ C757	VCEA4W2CN227M	J	220 160V EL.	AG				(14A-20MT)	
C758	VCEAGA2EW106MJ	J	10 250V EL.	AC	RJ32	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C759	VCKYPA2HB102K	J	1000p 500V Ceramic	AA				(14A-20MT)	
C760	VCEA0A1CW337M	J	330 16V EL.	AC	RJ33	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C761	VCQYTA1HM104K	J	0.1 50V Mylar	AC	RJ35	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C762	RC-KZ0339CEZZ	J	680p 2kV Ceramic	AD				(14A-20MT)	
C763	VCIFYHA1HA184J	J	0.18 50V Mylar	AC	RJ37	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C767	VCEA0A1CW107M	J	100 16V EL.	AC	RJ38	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C801	VCQYTA1HM223K	J	0.022 50V Mylar	AB				(20A-20MT)	
C802	VCEA0A1HW474M	J	0.47 50V EL.	AB	RJ39	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C803	VCCCCY1HH120J	J	12p 50V Ceramic	AA	RJ41	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C804	VCEA0A1HW104M	J	0.1 50V EL.	AB	RJ42	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C805	VCEA0A1HW104M	J	0.1 50V EL.	AB	RJ43	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C806	VCEA0A1HW104M	J	0.1 50V EL.	AB	RJ44	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
C807	VCCCCY1HH820J	J	82p 50V Ceramic	AA				(20A-20MT)	
C901	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA	RJ45	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
					RJ46	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
					RJ47	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA
					RJ48	VRS-CY1JF000J	J	0 1/16W M-Ox.	AA

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA020WEv0/v2				
MAIN UNIT (Continued)				
△ R51	VRS-VV3DB151J	J	150 2W M-Ox.	AA
R52	VRS-VV3DB470J	J	47 2W M-Ox.	AA
△ R53	VRS-VV3LB223J	J	22k 3.0W M-Ox.	AB
R54	VRD-RA2BE101J	J	10 1/8W Carbon	AB
R55	VRD-RA2BE101J	J	10 1/8W Carbon	AB
R56	VRS-CY1JF823J	J	82k 1/16W M-Ox.	AA
R57	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R201	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
R202	VRS-CY1JF122J	J	1.2k 1/16W M-Ox.	AA
R203	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R204	VRS-CY1JF270J	J	27 1/16W M-Ox.	AA
R205	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA
R206	VRD-RA2EE151J	J	150 1/4W Carbon	AA
R208	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA
R301	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R302	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R303	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R304	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
R306	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R307	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
R308	VRD-RA2BE391J	J	390 1/8W Carbon	AA
R309	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R311	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
R351	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R352	VRD-RA2BE4R7J	J	4.7 1/8W Carbon	AA
R355	VRD-RA2BE101J	J	10 1/8W Carbon	AB
R401	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R402	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R403	VRS-CY1JF331J	J	330 1/16W M-Ox.	AA
R404	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA
R405	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R406	VRS-CY1JF470J	J	4.7k 1/16W M-Ox.	AA
R407	VRS-CY1JF680J	J	68 1/16W M-Ox.	AA
R408	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R409	VRS-CY1JF471J	J	470 1/16W M-Ox.	AA
R410	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
R411	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R412	VRD-RA2EE561J	J	560 1/4W Carbon	AA
R413	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R414	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R415	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R416	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA
R417	VRD-RA2BE101J	J	10 1/8W Carbon	AB
R418	VRS-CY1JF152J	J	1.5k 1/16W M-Ox.	AA
R419	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R423	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R426	VRS-CY1JF271J	J	270 1/16W M-Ox.	AA
R440	VRS-CY1JF821J	J	820 1/16W M-Ox.	AA
△ R451	VRS-VV3AB103J	J	10k 1W M-Ox.	AA
R452	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R454	VRD-RA2BE334J	J	330k 1/8W Carbon	AA
R455	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R456	VRS-CY1JF223J	J	22k 1/16W M-Ox.	AA
R457	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R458	VRD-RA2BE334J	J	330k 1/8W Carbon	AA
			(20A-20MT)	
R458	VRD-RA2BE564J	J	560k 1/8W Carbon	AA
			(14A-20MT)	
R459	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R504	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R505	VRD-RA2BE101J	J	10 1/8W Carbon	AB
R506	VRD-RA2BE683G	J	68k 1/8W Carbon	AA
R507	VRD-RA2BE104G	J	10k 1/8W Carbon	AA
R508	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R510	VRD-RM2HD1R2J	J	1.2 1/2W Carbon	AA
			(20A-20MT)	
R510	VRD-RM2HD1R5J	J	1.5 1/2W Carbon	AA
			(14A-20MT)	
△ R511	VRN-VV3AB1R5J	J	1.5 1W M-Film	AA
			(20A-20MT)	
△ R511	VRN-VV3AB3R9J	J	3.9 1W M-Film	AA
			(14A-20MT)	

Ref. No.	Part No.	★	Description	Code
R512	VRD-RM2HD271J	J	270 1/2W Carbon	AA
			(14A-20MT)	
R512	VRD-RM2HD331J	J	330 1/2W Carbon	AA
			(20A-20MT)	
R516	VRD-RA2BE153G	J	15k 1/8W Carbon	AA
			(14A-20MT)	
R516	VRD-RA2BE683G	J	68k 1/8W Carbon	AA
			(20A-20MT)	
R517	VRD-RA2BE103G	J	10k 1/8W Carbon	AA
			(20A-20MT)	
R517	VRD-RA2BE123G	J	12k 1/8W Carbon	AA
			(14A-20MT)	
R518	VRD-RA2BE154J	J	150k 1/8W Carbon	AA
R524	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA
R525	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R552	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R553	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
			(14A-20MT)	
R553	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
			(20A-20MT)	
R554	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA
R602	VRD-RM2HD392J	J	3.9k 1/2W Carbon	AA
			(14A-20MT)	
R602	VRD-RM2HD472J	J	4.7k 1/2W Carbon	AA
			(20A-20MT)	
△ R603	VRS-SV3LB182J	J	1.8k 3.0W M-Ox.	AB
R608	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R609	VRD-RA2BE331J	J	330 1/8W Carbon	AA
△ R610	VRS-VV3DB391J	J	390 2W M-Ox.	AA
R620	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R621	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
R631	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA
R632	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R633	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
△ R641	VRS-VV3AB682J	J	6.8k 1W M-Ox.	AA
R642	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
			(14A-20MT)	
R642	VRD-RA2BE821J	J	820 1/8W Carbon	AA
			(20A-20MT)	
▲▲ R651	VRD-RM2HD1R0J	J	1.0 1/2W Carbon	AA
▲▲ R653	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
▲▲ R654	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
▲▲ R655	VRS-CY1JF104J	J	10k 1/16W M-Ox.	AA
△ R659	VRN-VV3AB1R8J	J	1.8 1W M-Film	AA
△ R661	VRN-VV3ABR47J	J	0.47 1W M-Film	AA
R701	VRW-KQ41C3R3K	J	3.3 15W Cement	AG
△ R702	VRS-KT3LB473J	J	47k 3.0W M-Ox.	AE
△ R703	VRS-KT3LB473J	J	47k 3.0W M-Ox.	AE
△ R704	VRD-RM2HD330J	J	33 1/2W Carbon	AA
R705	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R706	VRD-RM2HD152J	J	1.5k 1/2W Carbon	AA
△ R707	VRS-KT3LB473J	J	47k 3.0W M-Ox.	AE
R708	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R709	VRD-RA2BE681J	J	680 1/8W Carbon	AA
△ R710	VRN-VV3ABR39J	J	0.39 1W M-Film	AA
△ R711	VRN-VV3ABR33J	J	0.33 1W M-Film	AA
R712	VRD-RM2HD150J	J	15 1/2W Carbon	AA
R714	VRD-RM2HD104J	J	10k 1/2W Carbon	AA
R717	VRD-RM2HD124J	J	120k 1/2W Carbon	AA
R718	VRD-RM2HD124J	J	120k 1/2W Carbon	AA
R719	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA
R722	VRD-RM2HD124J	J	120k 1/2W Carbon	AA
△ R725	VRC-UB2HG275K	J	2.7M 1/2W Solid	AF
	or			
	RR-HZ0046CEZZ			
	or			
	RR-DZ0047CEZZ			
R751	VRD-RA2BE104J	J	10k 1/8W Carbon	AA
R752	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
△ R753	VRS-KA3HG3R3K	J	3.3 5W M-Ox.	AD
R754	VRD-RA2BE101J	J	10 1/8W Carbon	AB
△ R755	VRS-VV3DB470J	J	47 2W M-Ox.	AA
R756	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
△ R757	VRN-VV3DB1R8J	J	1.8 2W M-Film	AB
△ R758	VRS-SV2HC180J	J	18 1/2W M-Ox.	AA
R760	VRD-RA2BE101J	J	10 1/8W Carbon	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA020WEv0/v2									
MAIN UNIT (Continued)									
R801	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	R2042	VRD-RA2BE101J	J	10 1/8W Carbon	AB
R802	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	R2043	VRD-RA2BE101J	J	10 1/8W Carbon	AB
R803	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA	R2044	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA
			(14A-20MT)		R2045	VRS-CY1JF101J	J	10 1/16W M-Ox.	AA
R803	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	R2047	VRS-CY1JF221J	J	220 1/16W M-Ox.	AA
			(20A-20MT)		R2048	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
R804	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA	R2049	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA
			(14A-20MT)		R2054	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA
R804	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	R2055	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
			(20A-20MT)		R2060	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R805	VRS-CY1JF182J	J	1.8k 1/16W M-Ox.	AA	R2061	VRS-CY1JF562J	J	5.6k 1/16W M-Ox.	AA
			(14A-20MT)		R2062	VRS-CY1JF183J	J	18k 1/16W M-Ox.	AA
R805	VRS-CY1JF222J	J	2.2k 1/16W M-Ox.	AA	R2066	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
			(20A-20MT)		R2067	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R806	VRS-CY1JF333J	J	33k 1/16W M-Ox.	AA	R2068	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R902	VRS-CY1JF750J	J	75 1/16W M-Ox.	AA	R2070	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA
R925	VRS-CY1JF104J	J	10k 1/16W M-Ox.	AA	R2101	VRS-CY1JF101J	J	10 1/16W M-Ox.	AA
R950	VRN-VV3AB1R0J	J	1.0 1W M-Film	AA	R2102	VRS-CY1JF101J	J	10 1/16W M-Ox.	AA
R951	VRS-CY1JF154J	J	150k 1/16W M-Ox.	AA	R2201	VRD-RA2EE102J	J	1.0k 1/4W Carbon	AA
R952	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA	R2501	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R953	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA	R2503	VRS-CY1JF273J	J	27k 1/16W M-Ox.	AA
R954	VRS-CY1JF472J	J	4.7k 1/16W M-Ox.	AA	R2504	VRS-CY1JF123J	J	12k 1/16W M-Ox.	AA
R957	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	R2505	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA
R960	VRS-CY1JF683J	J	68k 1/16W M-Ox.	AA	R2506	VRS-CY1JF563J	J	56k 1/16W M-Ox.	AA
R963	VRS-CY1JF332J	J	3.3k 1/16W M-Ox.	AA	R2507	VRS-CY1JF823J	J	82k 1/16W M-Ox.	AA
R968	VRS-CY1JF101J	J	10 1/16W M-Ox.	AA	R2508	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA
R971	VRD-RA2BE101J	J	10 1/8W Carbon	AB	R2509	VRS-CY1JF272J	J	2.7k 1/16W M-Ox.	AA
R972	VRD-RA2BE101J	J	10 1/8W Carbon	AB	R2601	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R973	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	SWITCHES				
			(20A-20MT)		S2501	QSW-P0593CEZZ	J	Power	AE
R973	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	S2502	QSW-K0079GEZZ	J	Vol-Down	AB
			(14A-20MT)		S2503	QSW-K0079GEZZ	J	Vol-Up	AB
R974	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	S2504	QSW-K0079GEZZ	J	Ch-Down	AB
			(14A-20MT)		S2505	QSW-K0079GEZZ	J	Ch-Up	AB
R974	VRS-CY1JF682J	J	6.8k 1/16W M-Ox.	AA	S2506	QSW-K0079GEZZ	J	Menu	AB
			(20A-20MT)		MISCELLANEOUS PARTS				
R975	VRD-RA2BE151J	J	150 1/8W Carbon	AA	△ RY751	RRLYJ0081CEZZ	J	Relay	AL
			(20A-20MT)		△ F701	QFS-B4023CEZZ	J	Fuse 4.0A	AC
R975	VRD-RA2EE221J	J	220 1/4W Carbon	AA	FB602	RBLN-0037CEZZ	J	Ferrtie Bead	AB
			(14A-20MT)		FB603	RBLN-0037CEZZ	J	Ferrtie Bead	AB
R976	VRS-VV3AB100J	J	10 1W M-Ox.	AA	FB701	RBLN-0037CEZZ	J	Ferrtie Bead	AB
R977	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA	FB702	RBLN-0037CEZZ	J	Ferrtie Bead	AB
R978	VRS-CY1JF153J	J	15k 1/16W M-Ox.	AA	FB703	RBLN-0037CEZZ	J	Ferrtie Bead	AB
R980	VRS-CY1JF470J	J	47 1/16W M-Ox.	AA	△ FB704	RBLN-0037CEZZ	J	Ferrtie Bead	AB
R981	VRS-CY1JF104J	J	10k 1/16W M-Ox.	AA	FB752	RBLN-0037CEZZ	J	Ferrtie Bead	AB
R2001	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	FB753	RBLN-0037CEZZ	J	Ferrtie Bead	AB
			(20A-20MT)		FB754	RBLN-0037CEZZ	J	Ferrtie Bead	AB
R2002	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA	FH701	QFSDH1013CEZZ	J	Fuse Holder	AC
R2003	VRS-CY1JF101J	J	10 1/16W M-Ox.	AA	FH702	QFSDH1014CEZZ	J	Fuse Holder	AC
R2004	VRS-CY1JF101J	J	10 1/16W M-Ox.	AA	P51	QPLGN0160CEZZ	J	Plug, 1-pin (SG)	AB
R2005	VRS-CY1JF101J	J	10 1/16W M-Ox.	AA	P52	QPLGN0160CEZZ	J	Plug, 1-pin (SG)	AB
R2006	VRS-CY1JF101J	J	10 1/16W M-Ox.	AA	P302	QPLGN0261CEZZ	J	Plug, 2-pin (S)	AB
R2007	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	P401	QPLGN0561CEZZ	J	Plug, 5-pin (GBN)	AB
			(20A-20MT)		P601	QPLGN0603CEZZ	J	Plug, 6-pin (K)	AB
R2007	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA	P651	QPLGN0361CEZZ	J	Plug, 3-pin (TP651-3)	AB
			(14A-20MT)		P702	QPLGN0207CEZZ	J	Plug, 2-pin (M)	AA
R2008	VRD-RA2BE333J	J	33k 1/8W Carbon	AA	P751	QPLGN0461CEZZ	J	Plug, 4-pin (YBN)	AB
R2009	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	P998	QPLGN0450CEZZ	J	Plug, 3-pin (E)	AA
R2010	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	P999	QPLGN0450CEZZ	J	Plug, 3-pin (D)	AA
R2012	VRS-CY1JF391J	J	390 1/16W M-Ox.	AA	P2001	QPLGN0561CEZZ	J	Plug, 5-pin (TP2001~5)	AB
R2020	VRD-RM2HD223J	J	22k 1/2W Carbon	AA	RMC2601	RRMCU0222CEZZ	J	R/C Receiver	AL
R2022	VRD-RA2BE333J	J	33k 1/8W Carbon	AA		or			
R2024	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA		RRMCU0216CEZZ			
R2025	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	RDA351	PRDAR0142PEFWR		Heat Sink, for IC351	AD
R2026	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	RDA501	PRDAR0218PEFWR		Heat Sink, for IC501	AD
R2027	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA	RDA602	PRDAR0216PEFWR		Heat Sink, for Q602	AE
R2028	VRD-RA2BE102J	J	1.0k 1/8W Carbon	AA	RDA701	PRDAR0260PEFWR		Heat Sink, for IC701	AH
R2029	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA	RDA754	PRDAR0160PEFWR		Heat Sink, for D754	AF
R2032	VRD-RA2BE471J	J	470 1/8W Carbon	AA	TAN901	QJAKH0011AJZZ	J	Terminal	AK
R2033	VRS-CY1JF103J	J	10k 1/16W M-Ox.	AA		LHLDP1042PE00	R	Holder	AG
R2040	VRS-CY1JF102J	J	1.0k 1/16W M-Ox.	AA		LHLDW1002PEZZ	R	Holder	AB
R2041	VRD-RA2BE333J	J	33k 1/8W Carbon	AA		LHLDW1061PEKZ	R	Holder	AD
						LX-BZ0007PEFD	R	Screw	AA

Ref. No.	Part No.	★	Description	Code
PWB-A: DUNTKA020WEv0/v2				
MAIN UNIT (Continued)				

LX-BZ0086TAFD	J	Screw	AA
LX-BZ3100CEFD	J	Screw	AA
LX-TZ3004CEFD	J	Screw	AA
QCNW-2396PEZZ	R	Connecting Cord (20A-20MT)	AE

Ref. No.	Part No.	★	Description	Code
PWB-B: DUNTK9432WEv7/v8				
CRT UNIT				

TRANSISTORS

Q852	VS2SC2229O/1E	J	2SC2229O	AD
Q854	VS2SC2229O/1E	J	2SC2229O	AD
Q856	VS2SC2229O/1E	J	2SC2229O	AD
Q881	VS2SA1266-Y-1	J	2SA1266(Y)	AA

DIODES

You can substitute "RH-DX0045GEZZ" or "RH-DX0446CEZZ" for "VHD1SS119//-1".

D881	VHD1SS119//-1	J	Diode	AB
D882	VHD1SS119//-1	J	Diode	AB
D885	VHD1SS119//-1	J	Diode	AB

COIL

L851	VP-DF151K0000	J	Peaking 150μH	AB
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CAPACITORS

[EL... Electrolytic]

C851	VCKYPA1HB271K	J	270p 50V	Ceramic	AA
C852	VCKYPA1HB271K	J	270p 50V	Ceramic	AA
C853	VCKYPA1HB271K	J	270p 50V	Ceramic	AA
C854	RC-KZ0016CEZZ	J	0.01 1.4kV	Ceramic	AC
C881	VCEA0A1CW106M	J	10 16V	EL.	AB
C883	VCEA0A1CW336M	J	33 16V	EL.	AB

RESISTORS

[M-Ox... Metal Oxide]

R852	VRD-RA2BE271J	J	270 1/8W	Carbon	AA
			(14A-20MT)		
R852	VRD-RA2BE221J	J	220 1/8W	Carbon	AA
			(20A-20MT)		
R853	VRD-RA2BE121J	J	120 1/8W	Carbon	AA
R854	VRD-RA2BE470J	J	47 1/8W	Carbon	AA
R855	VRD-RA2BE470J	J	47 1/8W	Carbon	AA
△ R857	VRS-VV3AB123J	J	12k 1W	Me-Ox.	AA
R858	VRD-RM2HD332J	J	3.3k 1/2W	Carbon	AA
R859	VRD-RA2BE470J	J	47 1/8W	Carbon	AA
R860	VRD-RA2BE271J	J	270 1/8W	Carbon	AA
			(14A-20MT)		
R860	VRD-RA2BE221J	J	220 1/8W	Carbon	AA
			(20A-20MT)		
R861	VRD-RA2BE121J	J	120 1/8W	Carbon	AA
△ R865	VRS-VV3AB123J	J	12k 1W	M-Ox.	AA
R866	VRD-RM2HD332J	J	3.3k 1/2W	Carbon	AA
R868	VRD-RA2BE271J	J	270 1/8W	Carbon	AA
			(14A-20MT)		
R868	VRD-RA2BE221J	J	220 1/8W	Carbon	AA
			(20A-20MT)		
R869	VRD-RA2BE121J	J	120 1/8W	Carbon	AA
△ R873	VRS-VV3AB123J	J	12k 1W	M-Ox.	AA
R874	VRD-RM2HD332J	J	3.3k 1/2W	Carbon	AA
R881	VRD-RA2BE102J	J	1.0k 1/8W	Carbon	AA
R882	VRD-RA2BE391J	J	390 1/8W	Carbon	AA
R883	VRD-RA2BE561J	J	560 1/8W	Carbon	AA
R884	VRD-RA2BE152J	J	1.5k 1/8W	Carbon	AA
R885	VRD-RA2BE470J	J	47 1/8W	Carbon	AA

MISCELLANEOUS PARTS

P851	QPLGN0561CEZZ	J	Plug, 5-pin (GBN)	AB
P852	QPLGN0461CEZZ	J	Plug, 4-pin (YBN)	AB
SC851	QSOCV0842CEZZ	J	CRT Socket (14A-20MT)	AH
SC851	QSOCV0841CEZZ	J	CRT Socket (20A-20MT)	AG

Ref. No.	Part No.	★	Description	Code
PWB-C: DUNTKA060WEv0/V2				
FRONT AV UNIT				

J1001	QJAKE0108CEZZ	J	Jack, Video In	AC
J1002	QJAKE0183CEZZ	J	Jack, Audio In	AE
P1001	QPLGN0450CEZZ	J	Plug, 4-pin (D)	AA
P1002	QPLGN0450CEZZ	J	Plug, 4-pin (E)	AA

Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				

△	QACCD3044CESA	J	AC Cord	AM
	or			
	QACCD3092CESA			
	QCNW-2106PEZZ	R	Connecting Cord (14A-20MT)	AE
	QCNW-2110PEZZ	R	Connecting Cord (14A-20MT)	AG
	QCNW-2396PEZZ	R	Connecting Cord (14A-20MT)	AE
	QCNW-2403PEZZ	R	Connecting Cord (14A-20MT)	AE
	QCNW-2411PEZZ	R	Connecting Cord (14A-20MT)	AG
	QCNW-1963PEZZ	R	Connecting Cord (20A-20MT)	AG
	QCNW-2163PEZZ	R	Connecting Cord (20A-20MT)	AE
	QCNW-2171PEZZ	R	Connecting Cord (20A-20MT)	AF
	QCNW-2404PEZZ	R	Connecting Cord (20A-20MT)	AE
	QCNW-2412PEZZ	R	Connecting Cord	AG
	QCNW-2415PEZZ	R	Connecting Cord	AE

SUPPLIED ACCESORRIES

RRMCG1519CESAJ	Infrared R/C Unit	AR
TGAN-0166PEZZ	Guarantee Card (14A-20MT)	AF
TGAN-0168PEZZ	Guarantee Card (20A-20MT)	AF
TINS-6777PEZZ	Operation Manual (14A-20MT)	AF
TINS-6779PEZZ	Operation Manual (20A-20MT)	AE
QPLGF0125CEZZ	Antenna Adaptor	AM

PACKING PARTS (NOT REPLACEMENT ITEM)

SPAKC6572PEZZ	– Packing Case (14A-20MT)	—
SPAKC6573PEZZ	– Packing Case (20A-20MT)	—
SPAKP0056PEZZ	– Wrapping Sheet (14A-20MT)	—
SPAKP0099PEZZ	– Wrapping Sheet (20A-20MT)	—
SPAKX2654PEZZ	– Buffer Material (14A-20MT)	—
SPAKX2655PEZZ	– Buffer Material (20A-20MT)	—
SSAKA0001PEZZ	– Polyethylene Bag	—

Ref. No.	Part No.	★	Description	Code
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CABINET PARTS

14A-20MT

1	CCABA2532WEV0 R	Front Cabinet Ass'y	BA
1-1	<i>Not Available</i>	Front Cabinet	—
1-2	GCOVA0079PESA R	Cover For LED	AC
1-3	GCOVA0083PESA R	Cover For R/C	AD
1-4	HBDGB0018PESA R	Badge, "SHARP"	AE
1-5	JBTDN-0272PESB R	Power Button	AC
1-6	JBTDN-0273PESC R	Control Button	AD
1-7	MSPRC0068CEFWJ	Button Spring	AA
1-8	VSP9050PB25WA R	Speaker (SP1)	AM

2	CCABB2398WEV0 R	Rear Cabinet Ass'y	AW
2-1	<i>Not Available</i>	Rear Cabinet	—
2-2	TCAUA0002PEZZ R	Caution Card	AB

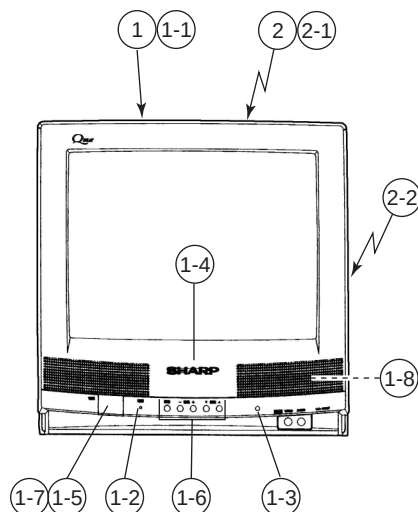
20A-20MT

1	CCABA2533WEV0 R	Front Cabinet Ass'y	BD
1-1	<i>Not Available</i>	Front Cabinet	—
1-2	GCOVA0079PESA R	Cover for LED	AC
1-3	GCOVA0080PESA R	Cover for R/C	AD
1-4	HBDGB0019PESA R	Badge, "SHARP"	AD
1-5	JBTDN-0273PESC R	Control Button	AD
1-6	JBTDN-0275PESB R	Power Button	AE
1-7	MSPRC0068CEFWJ	Button Spring	AA
1-8	VSP9050PB25WA R	Speaker (SP1)	AM

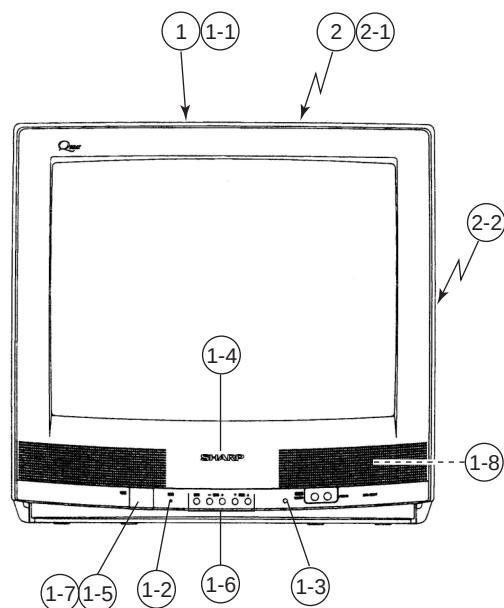
2	CCABB2363WEV0 R	Rear Cabinet Ass'y	BB
2-1	<i>Not Available</i>	Rear Cabinet	—
2-2	TCAUA0002PEZZ R	Caution Card	AB

Ref. No.	Part No.	★	Description	Code
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CABINET PARTS LOCATION

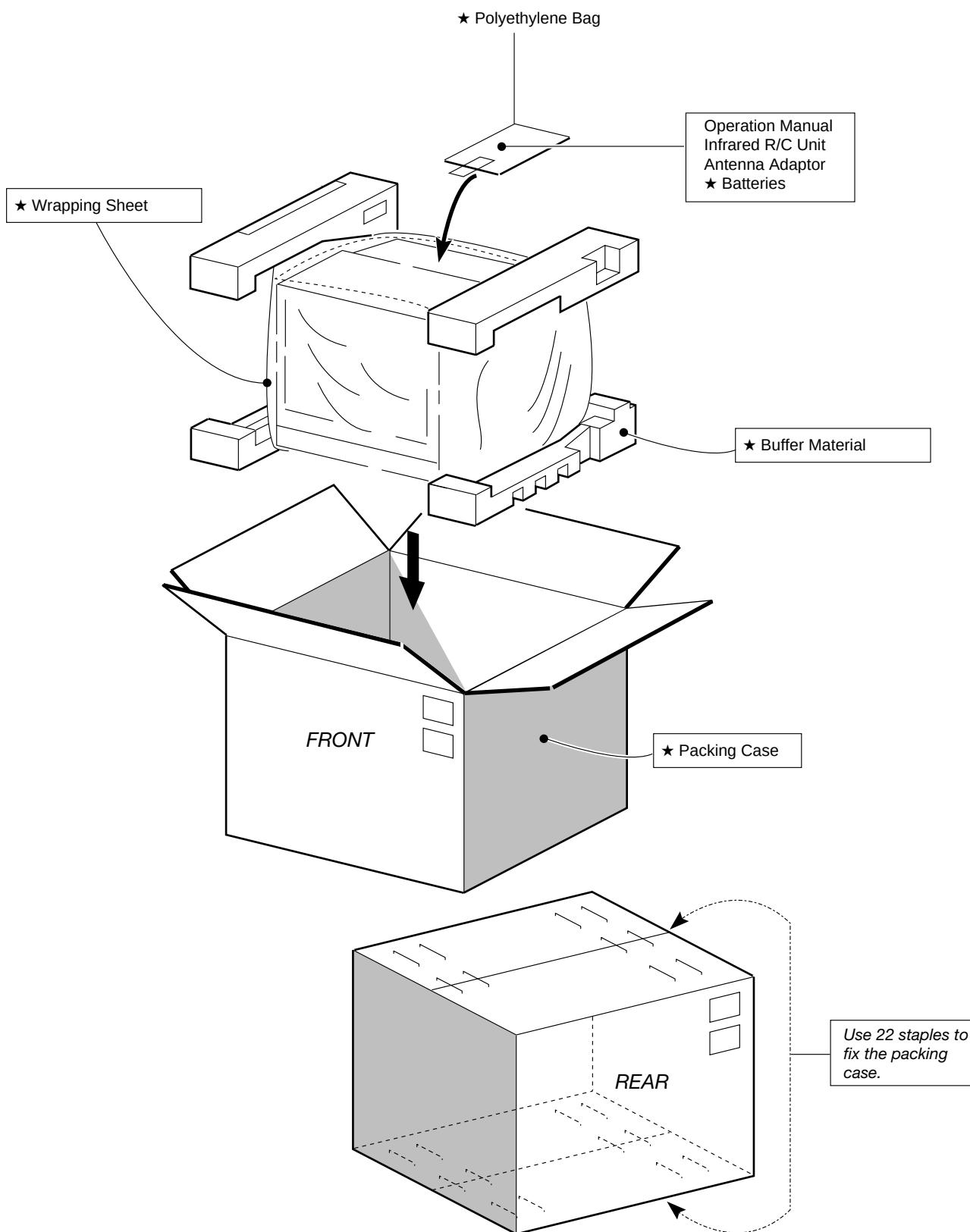


14A-20MT



20A-20MT

PACKING OF THE SET



★ MARK : Not Replacement Items.

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